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I. GENERAL INFORMATION
MESSAGE OF THE RECTOR

The TEDU academic catalogue is your guide to a successful and enjoyable education at our university. The catalogue gives you a complete list of the many courses we offer at TED University, as well as an explanation of the academic rules and processes that we follow. You will find the catalogue to be informative and useful throughout your intellectual journey here.

The courses that you choose will prepare you for your career, enrich your life and help you to become a well-rounded individual. But the courses alone do not constitute your education in its entirety. There is a vibrant life within and around the TEDU campus that will keep you engaged here, and over 3200 students with whom you can interact and build relationships. Our hope is that these courses along with all of the other offerings here at our elite university will expand your intellectual world and change your life for the better.

All of us within the TEDU academic family will be supporting you as you pursue your studies and shape your future. Do take advantage of these resources and make the most out of your university experience. Read the course descriptions carefully, communicate with the instructors, consult with your advisors, check with your peers about the courses and use this information to make your decisions wisely.

Personally and on behalf of my colleagues at the University, I wish you a safe, productive and enjoyable year at TEDU.

Prof. H. Belgin AYVAŞIK
Rector
A BRIEF HISTORY

TED University was established by an act of the Parliament dated July 07, 2009 (legislation # 5913). The founder is the Turkish Education Association - Higher Education Foundation (TEDYÜV) which in turn was founded by the Turkish Education Association (TED).

Turkish Education Association (TED) was founded on October 31, 1928 to introduce the private enterprises drive in the modern education system of the young Turkish Republic. As stated in the second clause of its charter, the President of the Republic is the Guardian of the Turkish Education Association. TED has been a long-established civil society organization that provides scholarships to successful students with limited income, opens primary and secondary schools with foreign language as the medium of instruction, builds scientific platforms to further the efforts to bring the level of education in Turkey on a par with the contemporary world standards, creates awareness about the problems of the education system in Turkey and its possible solutions, and contributes to the formulation of Turkish educational policies.

The academic units of TED University (TEDU) are:

- Faculty of Architecture
- Faculty of Arts and Sciences
- Faculty of Economics and Administrative Sciences
- Faculty of Education
- Faculty of Engineering
- English Language School
- Institute of Graduate Programs

The University accepted its first students for the academic year of 2012-2013. The medium of instruction is English, so students are expected to demonstrate an acceptable level of proficiency in English or they study at the English Language School for at least one semester.

TED University will be expanding in size and sophistication to become a learning, exploring institution of 4000-4500 students, bringing to Turkish higher education area a new scope through its educational profile, quality culture, international links and top quality academic staff.

THE CAMPUS

TEDU campus is located in the heart of the city; equidistant to every neighborhood of Ankara and next to the arterial public transportation including the metro line. TEDU offers a serene and comfortable education environment with a specially designed architecture that motivates students in every aspect. Equipped with the highest technological infrastructure, TEDU assures students with the most efficient and effective technology.

The three blocks of buildings where the University started in 2012 contain 15,000 square-meters of classrooms, offices, laboratories and conference halls. By 2018, total campus area has 9 blocks on an area of 38,000 square-meters.
UNIVERSITY ADMINISTRATION AND OFFICERS

BOARD OF TRUSTEES

S. Selçuk PEHLİVANOĞLU
M. Ertuğrul DOKUZOĞLU
Prof. Öktem VARDAR
Prof. Sevil ÇİFTÇİ GÜRGAN
Dr. M. Sani ŞENER
Aclan ACAR
Ahmet ASLAN
Ahmet Hakan ÖZMAN
Av. Ahmet Z. ÇÖRTOĞLU
Filiz AKIN KÖKSAL
Firat ÇEÇEN
Hakan ATEŞ
Sunullah SALIRLI

Chairman
Deputy Chairman
Member
Member
Member
Member
Member
Member
Member
Member
Member

RECTOR

Prof. H. Belgin AYVAŞIK
# UNIVERSITY SENATE

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. H. Belgin AYVAŞIK</td>
<td>Rector</td>
</tr>
<tr>
<td>Prof. Kemal Levend PARNAS</td>
<td>Vice Rector</td>
</tr>
<tr>
<td>Prof. Ali CENGİZKAN</td>
<td>Dean, Faculty of Architecture</td>
</tr>
<tr>
<td>Prof. F. Melike SAYIL</td>
<td>Dean, Faculty of Arts and Sciences</td>
</tr>
<tr>
<td>Prof. Aslıhan SALİH</td>
<td>Dean, Faculty of Economics and Administrative Sciences</td>
</tr>
<tr>
<td>Prof. Yüksel KAVAK</td>
<td>Dean, Faculty of Education</td>
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<tr>
<td>Prof. Güney ÖZCEBE</td>
<td>Dean, Faculty of Engineering</td>
</tr>
<tr>
<td>Prof. Kezban ÇELİK</td>
<td>Director, Institute of Graduate Schools</td>
</tr>
<tr>
<td>Prof. Şinasi ELLİALTİOĞLU</td>
<td>Member, Faculty of Arts and Sciences</td>
</tr>
<tr>
<td>Prof. Berin F. GÜR</td>
<td>Member, Faculty of Architecture</td>
</tr>
<tr>
<td>Prof. Sibel BALCI</td>
<td>Member, Faculty of Engineering</td>
</tr>
<tr>
<td>Assoc. Prof. Mehmet Rüştü TANER</td>
<td>Member, Faculty of Engineering</td>
</tr>
<tr>
<td>Asst. Prof. Işıl Sevilay YILMAZ</td>
<td>Member, Faculty of Economics and Administrative Sciences</td>
</tr>
<tr>
<td>Levent KÜPELİ</td>
<td>General Secretary/Rapporteur</td>
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# UNIVERSITY EXECUTIVE BOARD

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Prof. H. Belgin AYVAŞIK</td>
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<tr>
<td>Prof. Şinasi ELLİALTİOĞLU</td>
<td>Member</td>
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<tr>
<td>Prof. Zuhal YEŞİLYURT GÜNDÜZ</td>
<td>Member</td>
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<tr>
<td>Prof. Tolga Kurtuluş ÇAPIN</td>
<td>Member</td>
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<tr>
<td>Levent KÜPELİ</td>
<td>General Secretary/Rapporteur</td>
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# DEANS

<table>
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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Prof. Ali CENGİZKAN</td>
<td>Faculty of Architecture</td>
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<tr>
<td>Prof. F. Melike SAYIL</td>
<td>Faculty of Arts and Sciences</td>
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<td>Faculty of Economics and Administrative Sciences</td>
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<td>Prof. Yüksel KAVAK</td>
<td>Faculty of Education</td>
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<tr>
<td>Prof. Güney ÖZCEBE</td>
<td>Faculty of Engineering</td>
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# DIRECTORS OF ACADEMIC SERVICE DEPARTMENTS

<table>
<thead>
<tr>
<th>Department</th>
<th>Director</th>
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<tbody>
<tr>
<td>Basic Sciences Unit</td>
<td>Prof. Şinasi ELLİALTİOĞLU</td>
</tr>
<tr>
<td>English Language School</td>
<td>Sercan ÇELİK (Acting Director)</td>
</tr>
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# DIRECTOR OF INSTITUTE OF GRADUATE PROGRAMS

<table>
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<tr>
<th>Institute</th>
<th>Director</th>
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<tbody>
<tr>
<td>Institute of Graduate Programs</td>
<td>Prof. Kezban ÇELİK</td>
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# HEADS OF DEPARTMENTS

**Faculty of Architecture**

<table>
<thead>
<tr>
<th>Department</th>
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<tbody>
<tr>
<td>Architecture</td>
<td>Prof. Namık Günay ERKAL</td>
</tr>
<tr>
<td>City and Regional Planning</td>
<td>Prof. Baykan GÜNAY</td>
</tr>
<tr>
<td>Industrial Design</td>
<td>Asst. Prof. Sedef SÜNER PLA CERDA</td>
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<tr>
<td>Interior Architecture and Environmental Design</td>
<td>Assoc. Prof. Nur AYALP</td>
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**Faculty of Arts and Sciences**

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<tr>
<td>English Language and Literature</td>
<td>Prof. Yusuf ERADAM</td>
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<tr>
<td>Mathematics</td>
<td>Assoc. Prof. Mehmet Onur FEN</td>
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<tr>
<td>Psychology</td>
<td>Assoc. Prof. Ilgın GÖKLER DANIŞMAN</td>
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<tr>
<td>Sociology</td>
<td>Prof. Kezban ÇELİK</td>
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**Faculty of Economics and Administrative Sciences**

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<tbody>
<tr>
<td>Business Administration</td>
<td>Assoc. Prof. İbrahim ÜNALMIŞ</td>
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<tr>
<td>Economics</td>
<td>Prof. Jülide YILDIRIM ÖCAL</td>
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<tr>
<td>Political Science and International Relations</td>
<td>Prof. Aylin ÖZMAN ERKMAN</td>
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**Faculty of Education**

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<th>Department</th>
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<tr>
<td>Educational Sciences</td>
<td>Prof. Nilüfer VOLTAN ACAR</td>
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<tr>
<td>Elementary Education</td>
<td>Assoc. Prof. Sühendan ER</td>
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<tr>
<td>Foreign Language Education</td>
<td>Prof. Belgin AYDIN</td>
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<tr>
<td>Mathematics and Science Education</td>
<td>Asst. Prof. Zerrin TOKER</td>
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**Faculty of Engineering**

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<tr>
<td>Civil Engineering</td>
<td>Assoc. Prof. Cem AKGÜNER</td>
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<tr>
<td>Computer Engineering</td>
<td>Prof. Tolga Kurtuluş ÇAPIN</td>
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<tr>
<td>Electrical-Electronics Engineering</td>
<td>Prof. Erdem YAZGAN</td>
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<td>Industrial Engineering</td>
<td>Assoc. Prof. Mehmet Ruştü TANER</td>
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<tr>
<td>Mechanical Engineering</td>
<td>Prof. Selin ARADAĞ ÇELEBİOĞLU</td>
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SECRETARY GENERAL
Levent KÜPELİ

DIRECTORS OF ADMINISTRATIVE DEPARTMENTS

Administrative Affairs Ahmet Zeki HOCAOĞLU
Continuing Education Center Elçin CENGİZ
Corporate Communications Mehmet Fersun TOPRAK
Financial Affairs Zekeriya YORULMAZ
Human Resources Berna ŞERAN
Information Technology Umut RODOPLU
Medical Center Füsun ŞENER
Sports Center Gamze AKDOĞAN BULUT
Student Affairs Ayşegül ÖDEN
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Center of Gender Studies Prof. Zuhal YEŞİLYURT GÜNĐÜZ
Center for Social Innovation Berivan ELIŞ
Center for Teaching and Learning Dr. İlknur BAYRAM
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Directorate of Research, Technology and Innovation Sanem YALÇINTAŞ GÜLBAŞ
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International Programs Office Elçin KARANA
Library Merve ERYILMAZ
Trade Research Center Prof. Nazire Nergiz DİNÇER
GOVERNANCE

The Rector, as chief officer of the University, presides over the Senate and the University Executive Board. The Rector reports to the Board of Trustees. The members of the Board of Trustees are appointed by the Board of the TED Higher Education Foundation.

The Senate is the principal academic body, comprised of the deans and three representatives elected by the three faculties. The chief executive body of the University is the University Executive Board, which consists of deans and three professors elected by the University Senate. Invited internal stakeholders attend these meetings without the power to vote.

THE UNIVERSITY VISION

TED University will provide the best educational experience to its students and become one of the leading private not-for-profit universities in Turkey.

THE UNIVERSITY MISSION

TED University carries the mission of fostering graduates that are creative, critical-minded, self-confident, well-rounded lifelong learners by using innovative teaching methods and curricula that have a proper depth-to-breadth balance required by global knowledge economies. TED University, which holds pride in being transparent, accountable and trustworthy, is and will always be a learning institution aiming at continuity and sustainable development and at contributing to the world of science by generating new knowledge through a wide range of scholarly research and creative efforts in focus areas of institutional priority.

OUR CORE VALUES

- Respect for ethical values
- Integrity, solidarity and mutual respect
- Progressive and secular institutional position
- Excellence in teaching and research
- Robust and integrated quality culture
- Partnership and cooperation spirit
- Stakeholder participation
- TED tradition
FULL-TIME ACADEMIC STAFF

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BS: 1997 METU; MS: 2000 Bilkent University; PhD: 2005 Bilkent University

Dinçol, Nilay. Instructor. (ELS)
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Eker, Erdener Emin. Research Assistant. (FEAS)
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Kamaci, Yavuz. Research Assistant. (EDUC)
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Kandemir, Ayşe Çağıl. Asst. Prof. (ENGIN)
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Karaca, Mehmet. Asst. Prof. (ENGIN)
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Kaya, Ruşen. Instructor. (FAS)
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Kırtışoğlu, Alaittin. Research Assistant. (FAS)
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Kökpınar, Mehmet Ali. Prof. (ENGIN)
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Köse, Tekin. Asst. Prof. (FEAS)
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Kösemehmetoğlu, Elif. Instructor. (ELS)
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Özcebe, Güney. Prof. (ENGIN)
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Salam, Sana. Instructor. (ELS)
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Salih, Aslıhan. Prof. (FEAS)
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Sarısuo, Esra. Instructor. (ELS)
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Şimşek, Melike İrem. Research Assistant. (FAS)
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Taner, Mehmet Rüştü. Assoc. Prof. (ENGIN)
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Taş, Ahmet Taşkın. Instructor. (ELS)
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BS: 2017 METU
II. ADMISSIONS
UNDERGRADUATE ADMISSION

Admissions to undergraduate programs for Turkish students are limited to those who have been centrally placed by ÖSYM following the two stage central examination. After the completion of the pre-registration process, students are expected to take an Proficiency Exam of TEDU to determine whether they become Preparatory Class or Freshman Class students. A student may be exempted from the Prep Program offered by the English Language School without taking the English Proficiency Exam only if he/she is able to submit a national or international language exam scores. Equivalent exam types, minimum scores and additional requirements are announced each year by the English Language School.

Students of Faculty of Engineering, and Faculty of Economics and Administrative Sciences are admitted to faculties rather than specific programs. They need to declare their majors at registration time after completing 30 credit-hours which normally coincides with the sophomore year.

TRANSFER STUDENTS

Students who wish to transfer to TEDU should comply with the regulations concerning transfer between Equivalent Degree Programs and Undergraduate Programs in Higher Education Institutions, Regulations on Inter-Institutional Credit Transfer via Double Major and Minor Programs; and other requirements identified by the Senate.

INTERNATIONAL STUDENTS

International applicants seeking admission to TEDU are expected to apply through online application program by submitting the required documents announced on the University web pages. Acceptable examinations featuring of a university entrance exam (such as SAT) and diplomas that are to be taken into consideration as well as the relevant minimum eligibility scores (such as GCE-AL, IB Diploma, and Baccalaureate) are determined by the Senate, notified to the Higher Education Council, and announced in the university website each year together with the international student quotas for every specific department.

English proficiency requirements are the same for all students and are specified under the heading of Undergraduate Admission above. The English proficiency of students who are nationals of English-speaking countries are evaluated by the English Language School and may not require to take English Proficiency Exam to be exempt from the Preparatory Class.

SPECIAL STUDENTS

The graduates or students of higher education institutions, who wish to develop their skills in a specific field are accepted to undergraduate/graduate program courses as special students. The candidates who register to take courses as special students are obliged to provide the requirements concerning English language proficiency. The applications of the special students, the courses they can follow and their total credit hours, are determined by the respective executive committee under the consultancy of the respective head of department.
GRADUATE ADMISSION

Calls for application and application deadlines are announced on the Web before the beginning of each semester.

Candidates for graduate degree programs must have completed an undergraduate degree or be registered as a fourth year student in a recognized institution of higher learning. Students who do not yet have an undergraduate degree may be accepted conditionally to a graduate program (The student’s official acceptance to a graduate program is contingent on the submission of a graduation document or diploma and original transcripts to the Registrar’s Office by the application deadline).

Students applying to graduate programs in English must demonstrate proficiency in English. The minimum acceptable scores for English proficiency are: 80 for YDS, 79 for TOEFL. Students without these proficiency documents must successfully pass the TED University English Proficiency Exam (min75).

Admission to the Academic Deficiency Program

Students who have degrees in an area of study different from the graduate area to which they are applying can enroll in the Academic Preparatory Program. The required courses in the Academic Preparatory Program cannot replace any of the courses of the graduate program involved. Students spend a maximum of one calendar year in the Academic Preparatory Program. Continuation of graduate studies after completion of the Academic Preparatory Program is contingent on a minimum GPA of 3.00/4.00.

Admission of Special Students

Graduates or students of an institution of higher education who wish to expand their knowledge of a given subject can, with the approval of the relevant department, be admitted as special students. Special students do not enjoy the rights and privileges granted to regular students. Like regular students, special students are required to demonstrate English language proficiency but are not permitted to register in thesis classes.

Transfer Students

A student who has successfully completed at least one semester in any graduate program at TED University or at another institution of higher learning may be admitted as a transfer student. Transfer students must demonstrate proficiency in English. Transferred credits may not exceed half of the total credits of a graduate program in TED University.
TUITION AND FEES

The Board of Trustees determines tuitions at the beginning of each academic year. Tuition may be paid in two installments during the registration time of the Fall and Spring Term. The tuition fee of undergraduate programs for 2019-2020 Academic Year is 38,500 TL.+VAT for Turkish students, 9,000 USD (including VAT) for international students at the Faculty of Architecture, Faculty of Arts and Sciences and Faculty of Engineering; 7000 USD (including VAT) for international students at the Faculty of Economics and Administrative Sciences, and Faculty of Education. Tuition does not cover expenditures for food, books or accommodation. Tuition fee of graduate studies may vary depending on the program. More information is available at TEDU website.

SCHOLARSHIPS

National Students:

Scholarship programs are available for undergraduate students according to the Scholarship Regulation.

International Students:

(1) Full Tuition Waiver Scholarship which is designed to provide students with full exemption from the tuition fee,

(2) 75%, 50%, 25% Tuition Waiver Scholarships which are designed to provide students with 75%, 50%, 25% tuition fee discount. These scholarships are offered at the time of admission to applicants depending on exam/diploma scores (National or International Curriculum) submitted for the application. These scholarships are valid for 6 years for the students who study one year prep class or for 5 years for the students who start their education directly from the first year.

(3) Annual Achievement Awards to top ranking students in each program.
ACADEMIC POLICIES

Absence from Class

Students are expected to attend all classes and to complete all assignments and examinations for courses in which they are enrolled. If a student misses any of the mid-term quizzes it is the instructor’s decision to provide, or not to provide, make-up work related to the absence; the course syllabus clearly describes the policy. Failure to attend the final exam may be balanced by taking the make-up exam given to F students.

Academic Honesty

Academic honesty is one of the most important qualities adopted at TED University. Violations of academic honesty will be subject to disciplinary action. Students are particularly warned against cheating and plagiarism as disciplinary penalty will lead to loss of their scholarship.

Cheating includes, but is not limited to, those activities where a student:

1. Has someone else take an exam or takes the exam for someone else
2. Uses unauthorized reference material during an exam.
3. Obtains or attempts to obtain contents of an exam prior to the time of that exam.
4. Copies another student’s work or allows others to copy exams, assignments, projects, computer codes.

Plagiarism is the act of presenting someone else’s work as one’s own without acknowledging it. Exact words of a source may be quoted only within quotation marks and with full reference; similarly, tables, figures, facts, ideas, computer codes may not be taken from a source unless full credit is given.

Academic Standing

Undergraduate students are expected to keep their cumulative grade point average (GPA) above 2.00. When a student’s GPA is below 2.00, the student may be placed on academic probation and may be expected to repeat F, DD / DC courses to regain successful standing depending on the combination of credits completed and his/her GPA. Students with a credit of;

- 50 or less and GPA of 1.60 or less,
- 51 to 100 and GPA of 1.70 or less,
- 101 or more and GPA of 1.80 or less

are not allowed to take new courses unless they repeat all F, FX, DD and DC courses.

Graduate students are expected to keep their cumulative grade point average (GPA) above 3.00.
Advising

Each student is assigned an academic advisor. It is the department’s responsibility to assign the advisors and announce their names and contact information on the web page of TEDU. The academic advisors are to guide the students in making their study plans, choosing their courses and they are expected to mentor them through their academic as well as their social development. Advisors are evaluated annually by their advisees through a questionnaire.

Departments keep track of the less successful students to give them further, face-to-face guidance. Undergraduate students are advised;

- To have close contact with their advisors at all times.
- To complete their registration on time; late registration is subject to a fine announced on the web each year. Registration is absolutely not allowed after the late registration period ends.
- To keep track of the list of prerequisite courses so as not to lose one or more semesters.
- To keep the proper sequence of courses; unless there is an exceptional condition a lower numbered course may not be skipped to take a higher numbered one.
- To carry a regular load every semester around 15-17 credits. Tuition fee is determined according to the credit hours taken in that semester.
III. STUDENT SERVICES
UNIVERSITY LIBRARY

The TEDU Library is placed in the basement of Block B (B49, B51) & D (3.&4. Floor) and covers an area of 1535 m2. Additional study rooms, lounges and meeting rooms are scattered throughout the university adding up to 1300 m2. The Library supports teaching, learning, and research at the university by providing a collection of national and international resources including print books, e-books, periodicals, e-magazines, multimedia collections, and academic online databases. Additionally, information literacy trainings, general library introductions, and research techniques seminars offered by the library staff.

The Library at B Block is open from 09:00 am to 06:00 pm on weekdays and The Library at D Block from 9:00 am to 11:00 pm on weekdays and weekends.

REGISTRAR’S OFFICE

TED University students, receive information and consultancy service about academic and administrative affairs from the Registrar’s Office during their undergraduate and graduate studies. The Registrar’s Office also guide the students about issues concerning the course selection system administered at our university, current regulations, registration procedures and/or other administrative issues. The Office is responsible for student admission transcriptions, administration of student certificates and graduation operations.

IT SERVICES

Starting from University registration, academic and administrative services are offered to students via a single point of access, integrated student portal called MyTEDU (https://my.tedu.edu.tr).

Through MyTEDU Portal students can;

- Register courses and send to advisor approval
- Track personalised weekly course schedules
- Track academic status and previous courses
- View exams results
- Provide feedback for courses and instructors
- Choose major program
- Choose secondary field program
- Request academic documents
- Track financial status and pay semester fees online
- View academic course catalog and semester offered courses
- Reserve study rooms
TED University students are provided e-mails not only valid for their period of study at the university but also valid even after graduation.

Students can work on their academic research activities and courses through 293 computers provided in study rooms, library and computer labs located within the University.

Students can also access campus network and internet through 245 wi-fi access points covering all locations within the campus. TED University is also a member of “eduroam (EDUcation ROAMing)” network providing its students access to internet during mobility within the member universities both located in Turkey and abroad.

A campus card called TEDUCard is provided to students as an ID. This campus card has both debit card and e-wallet capabilities providing easy access to campus services at cafeteria, canteen, bookstore and library.

A list and description of all IT services provided to students can be reached via https://it.tedu.edu.tr/tr/it/ogrenciler website. Support for IT services are provided via Help Desk available within MyTEDU Portal or by sending e-mail to help@tedu.edu.tr.

INTERNATIONAL PROGRAMS OFFICE

International Programs Office (IPO) is in charge of the Internationalization and Marketing Strategies of the TED University. In this framework, it provides services and assistance for the incoming and outgoing exchange students and academic/administrative staff, as well as full time international degree seeking students. The main activity fields of the Office are as follow:

• Developing and implementing an internationalization and marketing strategy for TED University,
• Going into partnerships with Universities and institutions abroad,
• Conducting Erasmus+ Exchange Program,
• Recruiting full time international degree seeking students,
• Providing a smooth orientation process for freshmen international students,
• Following Mentoring Program for freshmen students together with the Center for Teaching and Learning.

HEALTH CENTER

The Health Center is located in rooms B06 and B04 in E Block which also contains the office of the University doctor. TEDU Health Center serves for all TEDU students, faculty and administrative staff. It offers appointment-based and/or walk in medical services at no cost.

The goal of Health Center is to provide the students and TEDU employees with physical, social and psychological support and maintain their well-being. Medical examinations, initial treatment or first aid of TEDU students and employees would be carried out at the Health Center; if necessary the patient will be referred to hospital.
FOOD SERVICES

Regular lunch is served in the cafeteria located on the ground floor; Block B to all TEDU personnel and students.

Coffee Break a spacious and fashionable coffee house and food house is located also on the ground floor (B051) and (B053) and serves snacks and drinks throughout the day. Also open buffet is provided in here. Chill-in Cafe is also spacious coffee and food house, is located Blok C. There are also vending machines located all around the campus offering drinks and snacks.

OFFICE OF THE DEAN OF STUDENTS

The Dean of Students Office is concerned with the overall quality of student life at TEDU for all undergraduate and graduate students. The Dean of Students is also to answer questions regarding the policies and procedures of the University and to guide the students by adding value to their academic life. The Dean is permanently invited to University Executive Board and Senate meetings to build the bridge between the management and the students and to develop, articulate, disseminate and enforce University rules, regulations, and policies concerning students. The dean’s office is located in room B017.

CO-CURRICULAR ACTIVITIES

Student activities as part of the regular Student Clubs or organized by others are strongly encouraged at TEDU. The Dean of Students and the Student Council play an important role in managing these activities.

Students can pursue their interests while developing leadership and teamwork skills by taking part in student organizations. As of 2019, twenty four student clubs and societies are established and carry on activities in their specialized areas. These clubs are; Architecture & Design, Ataturkist Thought, Cinema, Culture & Arts, Dance & Musical, E-Sport, EduAction, Enterpreneurship & Innovation, International Students, Human & Society Studies, Kaizen, Logos, Media, Model United Nations, Music, Need Based Map, Outdoor Sports, Photography, Platform of Politics, Science & Technology, Theatre. In addition students can join the local committees of international societies that has been established in TEDU; International Association of Civil Engineering Students (IACES) , Institute of Electrical and Electronics Engineers (IEEE) and Erasmus Student Network (ESN). Besides, students can participate into selection of sports teams that take place in interuniversity tournaments. As of 2019, thirty sports teams are established in order to represent TED University in competitions held by Turkish University Sports Federation’s.
STUDENT ACTIVITIES AND SPORTS

The sports activities and facilities of the University are expanding constantly to keep pace with the growing needs of the student body. TEDU Sports Center facilities include one half olympic size indoor swimming pool, indoor volleyball and basketball courts, several aerobic/step studios, fitness/conditioning room and multi-purpose rooms.

Students can join the sports teams of TED university and take part in interuniversity competitions.

STUDENT COUNSELING CENTER

The Student Counseling Center’s main aim is to support the social, psychological and vocational development of students. The Center also aims to help students to become self-aware individuals who know their strengths and weaknesses and who are skilled at interpersonal communication.

Confidentiality is the fundamental issue for all counseling services offered in the Student Counseling Center. The use of the services offered in the center is completely voluntary. The counselor and the student work in rapport like a team to find the best counseling service that the student will benefit from. In addition to individual counseling, group counseling also exists. Some of the groups are population and/or issue specific, while other groups consist of skill building and experiential learning.

CENTER FOR TEACHING AND LEARNING

TED University is determined to change the focus from teaching to learning and to replace lecturing with interactive, problem-based, practice-oriented instruction, and to enrich the learning environment in order to incorporate higher order thinking skills into undergraduate education. Regarding the institutional policy of the University, the mission of the CTL is to provide multifaceted resources to support faculty and students in their integration of innovative educational practices by promoting methods that encourage a rich learning environment that engages students in their own learning. In order to achieve this, the Center provides workshop sessions, seminars, programs, educational technology and webinar support for the faculty and the students.

CONTINUING EDUCATION CENTER

TED University which carried the high-quality university education to the heart of the city with the “We Create The Difference in Higher Education” motto, believes that education is a life-long activity that paves the way for self-realization. To this end we have established the TED University Continuing Education Center (TEDÜSEM).

Relying on the experience of the Turkish Education Association and the academic expertise of TEDU, TEDÜSEM carries its activities with the objective of educating the inquired human resources of the country, supporting and developing the capacity of the educated human resources and adding quality, knowledge and skills to the workforce for the public institutions and organizations.
TEDÜSEM aims to organize original and high-quality training and certificate programs for participants from all backgrounds who wish to develop themselves in different areas and who believe in the importance of self-development in the ever changing and growing professional life. We are determined to support the individuals in discovering themselves outside stressful business life.

TEDÜSEM also organizes original training programs aimed for civil servants and private sector employees which will contribute to the personal and institutional development, promote the relations between the business world and the academy and provides consultancy services for improving the general development of the country.

CAREER CENTER

TEDU Career Center is established in an aim to assist our students in familiarizing themselves with, and in being in contact with the business environments before graduation and easily adapting to the professional life upon graduation.

Our goal is, to assist the students by providing them information and leadership in selecting a career and/or knowledge that would direct them to the correct career path. We will help them in making career plans and consciously selecting higher education opportunities that come along, by taking their personal talents, abilities and interests into consideration. In this aim we will;

• Develop opportunities for full-time, part-time, short term or compulsory internship programs for our students and graduates.

• Provide counselling and training in preparing CV’s, developing interview techniques, and correct self expressions.

• Introduce sectoral firms by organizing career days and conversation sessions.

• Bring employers, students and graduates together by organizing Career Fairs and present contact opportunities for internship and employment.

• Evaluate job offers, prepare employment agreements and provide support in periods of adaptation to new jobs and employment companies.
III. ACADEMIC UNITS
TRADE RESEARCH CENTER (TEDUTRC)

TEDUTRC conducts high quality research in the field of economics, particularly in its areas of expertise: Turkish Economy and International Economics. Among TEDUTRC’s main objectives are to provide policy recommendations on trade issues to policymakers, to collaborate with other centers of research excellence and to provide opportunities for young scholars working in its research areas. TEDUTRC people engage in interdisciplinary research and utilize their network to provide state of the art output.

Affiliation of TEDUTRC signals high-quality research as well as strong ties with policy-making. TEDUTRC aims to employ diverse affiliates from other universities, centers of research excellence, public, private and civil society organizations. The faculty are carrying on their research with well-known academicians from the US and the EU.

CENTER FOR GENDER STUDIES

The Center for Gender Studies aims at carrying out the necessary academic, administrative, theoretical and practical studies for a university environment, which is based on gender equality and equality in representation and has a high level of awareness and sensitivity about gender. As to achieve this, the Center conducts and supports national and international scientific research on gender, takes an interdisciplinary approach, keeps the gender issue on the agenda by incorporating all faculties, departments and administrative units, realises activities, panels, projects which combine academia and society and aims to prevent discrimination and sexual harassment based on gender and sexual orientation. Besides, TED University aims to open a Gender and/or Women’s Studies Graduate Program in the near future.
IV. DEGREE REQUIREMENTS
TED University grants Bachelor of Arts, Bachelor of Science and Bachelor of Architecture degrees upon completion of an eight semester program offered by its Faculties. Further information concerning the programs of study required by each department can be found in Chapter V on Academic Programs. Double major programs ending with double degrees or minor programs are made available to successful students. All students are required to choose a secondary field next to their major program. TEDU students can substitute courses from other universities if desired courses are taught in English.

Master of Arts and Master of Science degrees are granted upon completion of three semesters, in accordance with the requirements of the Graduate Schools offering the degrees.
Degrees Offered

Bachelor’s Degrees

Faculty of Architecture
   B.Arch. in Architecture
   B.S. in City and Regional Planning
   B.S. in Industrial Design
   B.A. in Interior Architecture and Environmental Design

Faculty of Arts and Sciences
   B.A. in English Language and Literature
   B.S. in Mathematics
   B.A. in Psychology
   B.A. in Sociology

Faculty of Economics and Administrative Sciences
   B.A. in Business Administration
   B.A. in Economics
   B.A. in Political Science and International Relations

Faculty of Education
   B.A. in Early Childhood Education
   B.A. in Primary Education
   B.A. in Guidance and Psychological Counseling
   B.A. in English Language Education
   B.A. in Elementary Mathematics Education

Faculty of Engineering
   B.S. in Civil Engineering
   B.S. in Computer Engineering
   B.S. in Electrical and Electronics Engineering
   B.S. in Industrial Engineering
   B.S. in Mechanical Engineering

Graduate Degrees

Institute of Graduate Programs
   M.A. in Management in Educational Institutions
   M.S. in Engineering Management
   M.S. in Interactive Computing and Information Systems
   M.S. in Applied Data Science
   M.S. in Architecture and Urban Studies
   M.A. in Developmental Focused Clinical Child and Adolescent Psychology
   M.S. in Economics and Finance
   M.S. in Migration Studies
   M.S. in Mechatronics Engineering
CURRICULUM STRUCTURE

(A) General Structure

All undergraduate academic programs at TED University are limited to 138 credit hours. Departments are advised to keep their total credits between 130 and 138. Most of the courses are 3 or 4 credit hours; all elective courses must be 3 credit hours to enhance the ability of students to fit them into their programs. One semester typically carries a teaching load of 16-17 credit hours. Successful students may overload, i.e. take extra credits above the regular semester load. Courses without corresponding slots in the curriculum are taken non-credit (NC).

Courses are divided into various categories: common-core (CC.R), departmental, faculty-common (F.C), university- common (U.C), and elective courses into free (F), Secondary Field (SF), common-core electives (CC.E). Department courses are mainly offered to give the essentials of the discipline; some may be required (R), others elective (E).

(B) Credits of the Courses

Face-to-face credit-hours (CRF) are used in this catalog. The credit hour of a course is determined through the lectures, labs/studios or required problem sessions, all per week. The total classroom load per week associated with a course is indicated by three digits in parenthesis (a+b+c); the first shows the number of lectures, the middle digit indicates required problem sessions, and the last shows the number of hours of labs/applications. The credit hours of a course are determined by \( \frac{a+b}{2} + \frac{c}{2} \). Thus (3+0+2) corresponds to four credit hours. It is understood that students are expected to study 2 hours elsewhere for every hour in class.

The European Credit Transfer System (ECTS) includes the total workload in the calculation of the credit hours. For each CRE students are expected to spend 25-30 hours per semester. For purposes of credit transfer both systems are used at TEDU, regulations being based on face-to-face credit-hours (CRF).
### (C) Summary of Undergraduate Programs

Credit Distributions for Diploma Programs, Using Face-to-Face Credit-Hours (CR$_f$)

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<thead>
<tr>
<th>Common Core</th>
<th>Elect. Credit</th>
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<th>Faculty</th>
<th>Program Required R</th>
<th>Program Elective E</th>
<th>Secondary Field SF</th>
<th>Free Elective F</th>
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Credit Distributions of Faculty of Education Programs, Using Face-to-Face Credit Hours (2018-2019 and After)

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Credit Distributions of Faculty of Education Programs, Based on European Credit Transfer System (CR_E) (2018-2019 and After)

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SUMMER SCHOOL

Students have the opportunity to attend Summer School. By doing so they may accelerate their degree programs and receive their degrees in three and a half years, or spread their academic work across a longer period of time. This also offers students the option of taking courses of personal interest, or overcoming the danger of academic probation or repeating F courses.
V. ACADEMIC PROGRAMS
FACULTY OF ARCHITECTURE
Dean’s Statement

The interest fields of architecture, design and planning as disciplines were already diversified through the achievements and reforms in technological and philosophical spheres, together with social progress and culture in the 20th century, but these have evolved, multiplied and have become still highly diversified to a large extent in the 21st century to follow. The question that constantly keeps architecture design planning on their toes: “What is Architecture; What is Design; What is Planning?” and the list of answers this question evokes, never gets consumed, even in this global age.

TEDU Faculty of Architecture, following the acceptance of its first students into the Department of Architecture in 2012, is progressing in calm and steady steps. In September 2016, we will be enjoying to welcome of our first City and Regional Planning Department students join their classes. Our faculty welcomes all young members, who have an interest towards a wide range of subjects in the fields of design practice, design culture, design policies; concerning, creating, and thinking together with and for the future geographies, cities, rural settlements, urban spaces, dwellings, objects and artefacts. Only getting closely acquainted with the precedents of designed objects, deciphering the potential behind problems, interpreting and researching the history and culture as context, can the focus on design artefacts become a developing and life-long critical position in every aspect of design. We invite you to be students of the faculty, where you can assemble to become individuals of a society with the courage in shaping a design object with competence in deep understanding of the future, through the eyes of a designer + planner + creator + critic + intellectual + educator.

TEDU Faculty of Architecture gets distinguished from other architectural institutions for its; significant emphasis on bringing out individual endowments and traits; obligations for intra-disciplinary and interdisciplinary (cross-disciplinary) collective work; the working environment encouraging comprehensive approaches where design thinking and ethics blend together with intellectual clarity; guidance offered for motivating management and leadership not only in problem solving but also for openly discussing the definitions, conceptions and the axioms, thus the problem itself; a journey offered for acquiring a universal critical position directed especially through local problems, local resources, ideas, expressions and theoretical approaches.

TEDU Faculty of Architecture, being a city university, triggers possible integrations between its students and their target audiences, whether be it, individuals, communities or the society; accommodating a position with a priceless value, especially for accomplishing the goals set for professional education and intellectual progression.

Join us to be part of an intellectual and creative progress that will shape the future and the limits of architectural, design and planning practice!

Prof. Ali CENGİZKAN, Dean
DEPARTMENT OF ARCHITECTURE

Chair
Prof. Namık Günay Erkal

Academic Staff

* Research Assistant

Undergraduate Program in Architecture

The basic goal of TED University Department of Architecture is to provide an architectural education which aims to train students to become architects who are able to meet the contemporary world’s increasing demand for flexible thinking and production; and who can follow technological, social and practical developments day to day. The Department of Architecture incorporates the student oriented education policy of TED University and the practice of learning by doing, which is an essential requirement of architectural education and aims to define an education environment that facilitates interdisciplinary information exchange.

With the purpose of nurturing a critical culture on the built environment and the mutual relation of architectural education with social and cultural context, the program focuses on developing skills for inquisitive research, analytical thinking, innovative problem solving, intellectual productivity and sensitivity to professional ethics. An additional aim of the program is to create awareness of sustainability and sustainable environments. Accordingly, the students are encouraged to develop innovative methods for the design and construction of a sustainable physical environment.

In this context TED University Department of Architecture, provides its students with a practice based, research-oriented experience, within an independent and unique learning and research atmosphere.

The program ensures that its students intensively engage with professional practices besides following the contemporary academic and technological advancements on their way to completing their education. For this aim, it plans to establish an environment, in light of technological advancements, which allows the students to question and experience new environments and tools. Additionally, students and researchers are encouraged to monitor contemporary academic research closely and are expected to direct studies in these fields.

Program Outcomes

By the end of this degree program, students should be able to do the following to show their understanding and creativity:

1. Interpret architectural knowledge from the perspectives of its history, theories, paradigms and conceptual frameworks, in the context of related arts within an interdisciplinary approach.

2. Integrate knowledge on planning and urban design, from the perspective of their historical background and strategies and current urban discourses.
3. Demonstrate competence in written and verbal expression of ideas and thoughts both in Turkish and English.
4. Use up-to-date information and communication technologies in thinking, producing and presentation processes.
5. Apply theoretical and practical knowledge to praxis.
6. Develop self-discipline for lifelong learning, time management, methodological study and research habits.
7. Identify and criticize the relationship between people and built environment by relating ethical issues, social factors, human behaviors and cultural diversities.
8. Develop skills for abstract, analytical and relational thinking in internalizing notions of design and design processes.
9. Generate designs and proposals employing basic architectural, environmental and universal design principles.
10. Develop an architectural project, individually and within a team integrating phases from formulation to completion, in a professional and collaborative context.
11. Evaluate current knowledge and praxis, using appropriate research methods, skilled questioning, critical thinking and ethical perspectives.
12. Develop personal creativity and skills to communicate creative ideas, perspectives and solutions.

Undergraduate Curriculum

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Totals expected for graduation | 99 | 77  | 2 | 138 | 240 |
Undergraduate Course Descriptions

ARCH 101  (2+8+0)  6 Credits / 9 ECTS
Basics of Design
(Tasarımın Temelleri)
Introduction to basic concepts and general trait of design. Abstraction and conceptualization. Relations and design operations. Development of mental, perceptual and manual skills to study and present design ideas.

ARCH 102  (2+8+0)  6 Credits / 10 ECTS
Introduction to Architectural Design
(Mimari Tasarım Giriş)
Design and structuring of spatial relations. Scale, formal properties, structured and experiential aspects of architectural space.
Pre-requisite: ARCH 101

ARCH 111  (2+2+0)  3 Credits / 5 ECTS
Architectural Communication Techniques I
(Mimari İletişim Teknikleri I)
Visualization and representation techniques in different mediums. Orthographic projection, free-hand drawing, architectural photography, communication with digital mediums.
ARCH 112 (2+2+0) 3 Credits / 5 ECTS
Architectural Communication Techniques II
(Mimari İletişim Teknikleri II)
Visualization and representation techniques in different mediums. Expression and communication of design ideas, architectural elements and formal attributes. Perspective drawing, modelling techniques, communication with digital mediums.
Pre-requisite: ARCH 111

ARCH 201 (2+8+0) 6 Credits / 11 ECTS
Architectural Design I
(Mimari Tasarım I)
Architectural design process as complex structuring of spatial experiences in relation to the concept of human scale and the physical properties of the place.
Pre-requisite: ARCH 102

ARCH 202 (2+8+0) 6 Credits / 11 ECTS
Architectural Design II
(Mimari Tasarım II)
Development of design strategies based on fundamental architectural design components such as scenario/program, site and tectonics in a relatively small scale building.
Pre-requisite: ARCH 201

ARCH 221 (3+0+0) 3 Credits / 5 ECTS
History of Architecture I
(Mimarlık Tarihi I)
A global history of architecture survey from prehistory up to the modern age. Prominent examples of architectural edifices and cities.

ARCH 222 (2+1+0) 2 Credits / 5 ECTS
History of Architecture II
(Mimarlık Tarihi II)
Fundamental knowledge on the development of architectural thought and practices throughout the modern age. Historical process through the enlightenment, industrial age and the 20th century.

ARCH 241 (3+0+0) 3 Credits / 5 ECTS
Structure and Architecture
(Yapisal Sistemler ve Mimarlık)
Basic knowledge of structures, fundamental principles of structural behaviors, relationship between structure and architecture, analysis of simple structural systems.

ARCH 301 (2+8+0) 6 Credits / 11 ECTS
Architectural Design III
(Mimari Tasarım III)
Multi-dimensional design problems and spatial solutions in an urban context. Emphasis on the relationship between tectonic, structural and programmatic organization and the urban context.
Pre-requisite: ARCH 202
<table>
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<th>Course Code</th>
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<tr>
<td>ARCH 302</td>
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<td>Architectural Design IV&lt;br&gt;(Mimari Tasarım IV)</td>
<td>Holistic approach to cultural, ecological, and social sustainability. Development of architectural program and integration of advanced structural and technological systems into design process. Universal Design Principles. Pre-requisite: ARCH 301</td>
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<tr>
<td>ARCH 312</td>
<td>(3+0+0) 3 Credits / 5 ECTS</td>
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<tr>
<td>ARCH 322</td>
<td>(3+0+0) 3 Credits / 5 ECTS</td>
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<td>Issues in Contemporary Architecture&lt;br&gt;(Çağdaş Mimarlık Söylemeleri)</td>
<td>Contemporary architectural theories and practices in the world and Turkey. Significant concepts in the discursive formations of contemporary architecture and their reflections to the practice. Pre-requisite: ARCH 121</td>
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<td>ARCH 326</td>
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<td>Modern Architecture in Turkey&lt;br&gt;(Modern Türkiye Mimarlığı)</td>
<td>Significant movements in the 20th century Turkish architecture within the social and political context. Important developments in the theory and practice of the early and late Republican Architecture in Turkey.</td>
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<td>ARCH 351</td>
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<td>Landscape Design&lt;br&gt;(Peyzaj Tasarımı)</td>
<td>Basic principles, elements, means and techniques of landscape design, visualization and representation methods.</td>
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<td>ARCH 366</td>
<td>(3+0+0) 3 Credits / 5 ECTS</td>
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ARCH 372 (3+0+0) 3 Credits / 5 ECTS
Building Technologies in Architecture
(Mimarlıkta Yapı Teknolojileri)
Pre-requisite: ARCH 301

ARCH 381 (2+2+0) 3 Credits / 6 ECTS
Principles of City Planning and Urban Design
(Şehir Planlamının İlkeleri ve Kentsel Tasarım)
History of planning theories and approaches. Significant concepts and examples in the contemporary urban practice. Practice of a design problem in an urban scale in the studio environment.

ARCH 382 (3+0+0) 3 Credits / 5 ECTS
History of City Planning and Urban Design
(Planlama Tarihi ve Kentsel Tasarım)
Historical development of planning and urban design, urban structures and related theories. Solutions and applications specific to varying scales and methods of analysis.

ARCH 383 (3+0+0) 3 Credits / 5 ECTS
Spatial Utopias and Urban Design
(Mekansal Ütopyalar ve Kentsel Tasarım)
This course deals with cities, spatial entities and architecture through spatial Utopias, which are the product of hyperactive brains and developed for spaces and societies in order to establish the absolute happiness and social order to the mankind.

ARCH 399 (0+0+0) 0 Credits / 2 ECTS
Summer Practice I - Construction Site
(Yaz Stajı I - Şantiye Stajı)
Building construction methods and techniques. Active participation in and/or observation of construction processes. The minimum duration of the summer practice is 30 working days.

ARCH 401 (2+8+0) 6 Credits / 12 ECTS
Architectural Design V
(Mimari Tasarım V)
Multi-dimensional architectural and urban design problem/s. Integrative analysis of context, program, and building technologies. Advanced use of modes of representation.
Pre-requisite: ARCH 302

ARCH 402 (2+8+0) 6 Credits / 12 ECTS
Architectural Design VI
(Mimari Tasarım VI)
Multi-dimensional architectural design problem. Integrative analysis of context, program, structure, and building technologies in corporation with design methodologies and architectural theories. Advanced use of modes of representation.
Pre-requisite: ARCH 401
ARCH 420 (3+0+0) 3 Credits / 5 ECTS
Reading and Writing About Architecture (Mimarlık Üzerine Okumak ve Yazmak)
Introduction to architectural criticism. Architecture and approaching to architectural products, definitions. The context of architecture: the City, the Street, the Block, Neighbouring architectural objects, the urban as context. Reading the works of architectural critiques; reading and writing exercises with focus on local (Ankara)/national/international cases.

ARCH 421 (3+0+0) 3 Credits / 5 ECTS
History and Theory of Architecture (Mimarlık Tarihi ve Kuramları)
Introduction to architectural history. Theory, texts by authors who have an important role in the creation of conceptualization and interpretation of basic concepts and perspectives in architecture.

ARCH 423 (3+0+0) 3 Credits / 5 ECTS
Theories of Sustainable Architecture (Sürdürülebilir Mimarlık Teorileri)
The concept of sustainability. Basic principles of sustainable architecture and related construction techniques. The use of sustainability in contemporary architectural applications.

ARCH 424 (3+0+0) 3 Credits / 5 ECTS
Modernism Studies (Modernizm Araştırması)
Modernist theories. The relation of modernism to social and urban developments since the 18th century. The effect of modernist theories on art and architecture.

ARCH 425 (3+0+0) 3 Credits / 5 ECTS
Form and Media (Form ve Ortamları)
Each different media, such as photography, painting, architecture, urban environment, sculpture, film, music, etc, has its specific way of representing space and time, which make its own form language. By viewing historic and contemporary examples from various media, a comparative analysis of media forms will be aimed, to help students of architecture and other media understand the creative potential of various arts and their design possibilities. Active participation in discussions, reading and research, besides lectures by the professor will constitute the program.

ARCH 426 (3+0+0) 3 Credits / 5 ECTS
Enviromental Aesthetics (Çevresel Estetik)
Concepts of ‘aesthetics’ and perception. Values of ecology and environmental consciousness. Somatic relations and conducts related to culture. Comprehension of environmental values as primary issues of urban and architectural practice and design.
ARCH 427 (3+0+0) 3 Credits / 5 ECTS
Dwelling and Culture (Barınma ve Kültür)
This course will aim to familiarize students with architectural culture in its various forms in history and today. Through readings from architectural history and theory, as well as from philosophy and literature, values related to our forms of life and how humanity creates its habitat will be investigated. Besides class discussions, short trips to neighboring towns or settlements, to different environments will cover a portion of semester time. Active and creative participation is expected of students; these can take place as photography, drawing, projects, documentary video and writings.

ARCH 428 (3+0+0) 3 Credits / 5 ECTS
Dwelling and Culture II (Barınma ve Kültür II)
Problematics of dwelling. Conceptions related to the environment and the city. How buildings are related to their context. Creative/textual capacities of the greater environment, society, politics and art.

ARCH 430 (3+0+0) 3 Credits / 5 ECTS
Aesthetics and Criticism (Estetik ve Eleştiri)
Through readings and discussions of ancient and modern texts on aesthetics and form analyses the course aims to make students conscious of interpretations of art, design and formal qualities. Readings will involve texts from Plato and Aristotle up to modern writers as Heidegger. The discussions and student work will also partly involve critical analyses of art and architectural examples in the light of different interpretations of the readings.

ARCH 431 (3+0+0) 3 Credits / 5 ECTS
Computational Design: Theory and Applications (Hesaplamalı Tasarımın Teorisi ve Uygulamaları)
Theoretical and historical research on computational design. New perspectives defined for the architectural practice, a series of projects produced using CAD-CAM technologies. Computational design tools and strategies.

ARCH 432 (3+0+0) 3 Credits / 5 ECTS
MediaScapes: Communication Models in Digital Design (MediaScapes: Dijital Tasarında İletişim Modelleri)
Communication models in architecture. Theoretical and historical aspects of digital design. Rethinking architectural representation and communication models in relation to digital design theories and practices. Different modes and techniques of communication in digital design.

ARCH 434 (3+0+0) 3 Credits / 5 ECTS
Parametric Design Thinking (Parametrik Tasarım Düşüncesi)
An introduction to parametric design. Understanding computer-aided design’s theoretical background through its applicable models. Gaining familiarity to concepts like algorithm, parameter, topology and form. Descriptive exploration of architectural examples through parametric design tools. Generating variations of architectural examples via innovative techniques.
ARCH 451 (3+0+0) 3 Credits / 5 ECTS
Restoration and Conservation of Historic Sites and Buildings
(Tarihi Alan ve Binaların Restorasyonu ve Korumasi)
General rules and practices for the architectural practice in historic sites and buildings in Turkey.

ARCH 462 (1+0+0) 1 Credits / 2 ECTS
Profession and Practice
(Meslek ve Uygulama)
Processes for project and construction. Technical, theoretical and ethical considerations in architectural practice. Project and construction management and cooperation of various parties.
Pre-requisite: ARCH 302

ARCH 464 (3+0+0) 3 Credits / 3 ECTS
Construction and Management
(Yapı ve Yönetimi)
Processes for project development and construction. Address to real world business issues and relate classroom experiences to the workplace. Combines design and engineering concepts with management, communication, and business skills.

ARCH 470 (3+0+0) 3 Credits / 3 ECTS
Books of Architecture / Architecture of Books
(Mimarlığın Kitapları / Kitapların Mimarlığı)
Overview of history of architectural books. Architectural materialization in the form of books. Production and reception of architectural books and spatialization of these practices. Architects as writers, designers, readers and collectors of books. Case studies of public and private libraries in the past and present.

ARCH 471 (3+0+0) 3 Credits / 5 ECTS
Visual Culture
(Görsel Kültür)
A critical survey on the development of contemporary visual culture and its historical background that includes the practices of visual representations, mappings and information graphics. Analysis on the operations of certain concepts, approaches, practices and ideas constituting this culture and how they engage with social, cultural and political issues.

ARCH 480 (3+0+0) 3 Credits / 5 ECTS
Urban Design Practice
(Kentsel Tasarımın Pratiği)
The links between city or urban design theory and practice. The place of property relations in the evolution of urban space. The difference between city design and urban design. Design processes. Appraisal of real projects by developing algorithmic analysis; implemented and not implemented. Principles of urban design briefing.
ARCH 481            (3+0+0) 3 Credits / 5 ECTS
Reading Architectural Precedents
(Mimari Öncülleri Okumak)
Formal analysis of exemplary buildings. Critical reading of an architectural form. Examination of formal
and spatial principles of a selected building. Exploration of formal elements and relations between these
elements, and transformational operations on form.
Pre-requisite: ARCH 102

ARCH 484           (3+0+0) 3 Credits / 5 ECTS
Architecture of Urban Form Through History
(Tarih Boyunca Kent Formunun Mimarisi)
Introducing key elements of urban form. Focusing on certain historical building typologies. Description
and analysis of urban elements -such as streets, city squares, gardens and fortifications. Surveying the
related building types through history of architecture.

ARCH 499          (0+0+0) 0 Credits / 2 ECTS
Summer Practice II - Architectural Office
(Yaz Stajı II - Mimari Ofis)
Participation to the processes of design, development and representation of a project in a professional
architectural office. The minimum duration of the summer practice is 30 work days.
Pre-requisite: ARCH 399
Graduate Course Descriptions

ARCH 525 (3+0+0) 3 Credits / 7.5 ECTS
Visual Culture (Görsel Kültür)
A critical survey on the development of contemporary visual culture and its historical background.
Analysis on the operations of certain concepts, approaches, practices and ideas constituting this culture and how they engage with social, cultural and political issues.

ARCH 527 (3+0+0) 3 Credits / 7.5 ECTS
Urban Representations and Scalar Engagements (Kent Ölçekleri ve Temsiliyetleri)
Analysis of relations between urban space and how it is inhabited, understood, imagined and encoded through different mediums of representations. Remodelling our understandings of the city by the utilization of different media as an agent for testing or representing different scales of urban engagement(s).

ARCH 528 (3+0+0) 3 Credits / 7.5 ECTS
Communication Models in Digital and Computational Media (Sayısal ve Hesaplamalı Ortamda İletişim Modelleri)
A foundational understanding of the digital and computational media through an investigation of theoretical sources on communication models. Surveying the intersection of art and technology and new conceptions of representation. Potential topics include; digital and computational media- communication models- representation techniques-cybernetics- artificial intelligence- human-computer interfaces-mediated human experience, interaction, and perception- emergence- information aesthetics.

ARCH 529 (3+0+0) 3 Credits / 7.5 ECTS
Local Histories of Urban Culture (Kent Kültürü ve Yerel Tarihler)
A hands-on research and historiography course where local/specific/minute cases of socio-spatial practices of urban culture(s) are studied throughout the semester with the aim of developing suggestive narratives through interpretative data. The course aims to introduce critical discussions on the methodologies of historio-graphy, as well as contributing to the knowledge on the variety and diversity of everyday practices of the city within the recent past. The cases to be studied each semester can be selected among small scale institutions, events-practices, or people, as well as locations, places or buildings/sites (e.g. “Süleyman Bağcioğlu as a case of the working musician within the live music and entertainment scene in Ankara”; “İnek Bayramı in Mülkiye; as a case of festivity within the academic environment”; “Tavukçu Lokantası”, etc.)

ARCH 532 (3+0+0) 3 Credits / 7.5 ECTS
Responsive Environments (Yanıt Verir Ortamlar)
ARCH 533 (3+0+0) 3 Credits / 7.5 ECTS
Dwelling and Discourse I
(Barınma ve Söylemsellik I)
The function of discursive formations and analysis on diverse spaces of ‘dwelling’ from urban to object scale; discourse as practice; discursive practice in architecture and planning; continuities and rupture in history and historiography of housing; ‘panopticism’, surveillance and power; utopia, heterotopia and spatial politics; architecture as power and the power of architecture; the importance of the ‘site’ and that of archival material. Approaches in defining and posing problems; scientific research and surveying methods and the role of discursive analysis.

ARCH 534 (3+0+0) 3 Credits / 7.5 ECTS
Dwelling and Discourse II
(Barınma ve Söylemsellik II)
Student’s personal production of a new and vibrant issue, to be tackled with as a personal project, within Foucauldian approach of “discursive formations and analysis” on the specific construct of ‘dwelling’, to be elaborated from urban to object scale. Final product is a presentation, paper, article, essay, exhibition, or a script, publicized in professional, distinguished scholarly media.

ARCH 542 (3+0+0) 3 Credits / 7.5 ECTS
Mediascapes: Communication Models in Digital Design
(Mediascapes: Dijital Tasarımda İletişim Modelleri)
Communication models in architecture. Theoretical and historical aspects of digital design. Rethinking architectural representation and communication models in relation to digital design theories and practices. Different modes and techniques of communication in digital design. Transformation of vision, imaging and cognition.

ARCH 544 (3+0+0) 3 Credits / 7.5 ECTS
Parametric Design Thinking
(Parametrik Tasarım Düşüncesi)
An introduction to parametric design. Understanding computer-aided design’s theoretical background through its applicable models. Gaining familiarity to concepts like algorithm, parameter, topology and form. Descriptive exploration of architectural examples through parametric design tools. Generating variations of architectural examples via innovative techniques.

ARCH 551 (3+0+0) 3 Credits / 7.5 ECTS
Fundamentals of Cultural Heritage Conservation
(Kültürel Mirası Korumanın Temelleri)
Introduction to the principles of conservation of cultural heritage. Examples of conservation implementations both national and international. Problems and developments in the field of conservation in the world and Turkey. The impact of political, social and economic inputs on cultural heritage conservation.
ARCH 571 (3+0+0) 3 Credits / 7.5 ECTS
Visual Culture (Görsel Kültür)
Introduction to the principles of conservation of cultural heritage. Examples of conservation implementations both national and international. Problems and developments in the field of conservation in the world and Turkey. The impact of political, social and economic inputs on cultural heritage conservation.

ARCH 581 (3+0+0) 3 Credits / 7.5 ECTS
Spatial Products, Practices and Politics [in Ankara] (Mekansal Ürünler, Mekansal Pratikler ve Siyaset - Ankara Örneği)
Spatial Products, Practices and Politics are three species of spaces that are distinct yet intimately entwined. Spatial Products refers to manufactured entities, such as buildings, public spaces, monuments, gardens and transport infrastructures as well as the vehicles set upon them. Spatial Practices describes an unwieldy cohort of professionals and amateurs whose work involves the imagining, configuring or destruction of spaces. Spatial Politics underlines the ways in which spaces (often referred to as ‘territories’ – occupied, contested, or otherwise) are an embedded instrument of political imagination or discourse. The course focuses on the Capital city Ankara.

ARCH 582 (3+0+0) 3 Credits / 7.5 ECTS
Rethinking Technologies (Teknolojileri Yeniden Düşünmek)
As electronic communication and accelerated modes of transportation shrink our planet more and more, technologies are often assumed to be the science of either salvation or human damnation. On the one hand, postmodern celebrations of contemporary technology and iDES related cultural sensibilities can be viewed. On the other hand, elegies on the death of nature and the dangers of automation and dehumanization can be portrayed. By avoiding one or the other extreme, the course intends to rethink technologies in an advanced technological age. With variety of approaches raised by the writings of Heidegger, Benjamin, Virilio, Guattari, Jean Luc Nancy, this course tries to show how the necessity to rethink technologies is at the heart of our present and future existence.

ARCH 584 (3+0+0) 3 Credits / 7.5 ECTS
Architecture of Urban Form Through History (Tarih Boyunca Kentsel Biçimin Mimarisi)
Key elements of urban form and related historical building typologies. Topics on urban elements -such as streets, city squares, gardens and fortifications- through history of architecture. Continuity and change in urban form.
DEPARTMENT OF CITY AND REGIONAL PLANNING

Chair
Prof. Baykan Günay

Academic Staff

* Research Assistant

Undergraduate Program in City and Regional Planning

The Department of City and Regional Planning at TEDU considers planning as the art of intervening with the spatial structures of both the cities and regions. To accomplish this task, the understanding of economic, social, political and administrative evolutions is vital. City and region cover a wide variety of topics. City and regional, in short, spatial planners should have the capacity to command and cope with immense problems. A Pioneering Planning education, in this regard, which will redefine the planning practice and effectively perform it in controlling and shaping the urban environment, is one of the main aims of the department. From this perspective, it is essential to manage an education for city planners working in either public or private sector, to be able to break the blocked framework of construction plan and to design & develop engineering, problem definition and solution proposals beyond.

The Education Program of TEDU Department of City and Regional Planning aims its students to complete their education with a condensed relationship of contemporary academic and technological developments as well as of professional practices. According to this aim, it is essential to serve a technologically evolving instruction which allows students to criticize new concepts and tools. Nevertheless, it’s also expected students and researchers to follow contemporary academic agendas and guide them.

Mutual education projects and consultancies with several sectors will have an important role to establish the dialogue and cooperation between the society - university and sector – university as well as to contribute the technological developments. It is also a priority to integrate contemporary important subjects of “sustainable product”, “sustainable natural environment and material”, “sustainable creative performance” as the attitudes of design to the educational process and to educate sensible planners.

Perceiving these facts, TEDU Department of City and Regional Planning, in the long run:

• Aims to educate students in the more specific fields of social, engineering and design fields,

• Transfer knowledge to the students not so much for its intrinsic value, but mostly in order to solve problems arising in practical and theoretical activities,

• Develop students’ capacities of reasoning procedures so that they not only acquire knowledge, but also learn to think will constitute the basis education.
The aim of TEDU Department of City and Regional Planning is:

- Encouraging personal abilities and skills through lifelong learning praxis, which enhances methodological research, analytical and critical thinking, alternative problem solving and intellectual generativity.

- In addition to design thinking in the field of planning and projecting the future, developing policies in cooperation with stakeholders and partners, developing flexible thinking abilities in the process of developing creativity.

- Creating social, environmental and social awareness, internalizing these values in the professional field, gaining sensitivity in terms of occupational ethics and social service.

- Encouraging interdisciplinary co-operations as well as collaborations with various fields, and formulating mutual domains within these fields.

- Building skills in terms of following contemporary movements through the utilization of current communication techniques and integrating latest technologies in the process as well as developing it further.

Program Outcomes

Within this scope the students of TEDU, Department of City and Regional Planning are expected to realize:

1. Identifying the problem in the context of planning, integrating disciplinary knowledge, interdisciplinary approach, and the knowledge related to associative fields in the process of problem solving.

2. Designing different scales related to the program of planning systematically, and developing know-how in terms of material and production methods within the scope of urbanism.

3. Utilizing current knowledge and information technologies in the processes of thinking, producing, and representing.

4. Proficiency in English and in Turkish in terms of expressing oneself literally and verbally.

5. Utilizing theoretical and empirical knowledge in practice.

6. Developing self-discipline for life-long learning, time management, methodological work and research habits.

7. Developing abstract, analytical and relational thinking skills in internalizing design and planning concepts and processes.

8. Generating plans and proposals through the guidance of basic and universal principles of planning field.

9. Developing personal creativity and skills in order to convey creative thinking, perspectives and solutions.

10. Evaluating available information and applications through appropriate research methods, qualified examination, and ethical point of views.

11. Developing a planning approach or a project in a professional and participative manner individually or as a part of a group.

Having social responsibility and ethical consciousness in the planning discipline, as well as identifying and evaluating the relationship between people and built environment through social factors, human behavior, and cultural diversity.
# Undergraduate Curriculum

## Semester 1

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## Semester 2

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**Totals expected for graduation**

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*Students are required to take MATH 202 Linear Algebra from the Mathematics pool and they are expected to take 4 courses (each from a different CC group) among the 5 Common Core groups (Natural Sciences/Social Sciences/Humanities/Art/Literature).*

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### Courses with Pre-requisites

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<td>CITY 112 Graphic Communication Techniques in Architecture and Planning</td>
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<td>CITY 499 Summer Practise II: Planning and Design Practise</td>
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### Undergraduate Course Descriptions

**CITY 101**  
Basic Design in Planning I  
*(Planlamada Temel Tasarım I)*

Abstract thinking and the ability of representing it in the second and third dimensions. Development of design skills in the concepts of order, frame of reference, balance, positive and negative values, three dimensional representation and composition. Encouraging creativity, and the perception of part-whole relations.

(C2+8+0) 6 Credits / 9 ECTS

**CITY 102**  
Basic Design in Planning II  
*(Planlamada Temel Tasarım II)*

Using abstract basic design thinking and principles and in the frame of topographical data, practicing mass-space relations of human settlements, space organization and hierarchy, location, and circulation. Drawings and models. Problem definition, analysis and producing design options.

Pre-requisite: CITY 101

(C2+8+0) 6 Credits / 10 ECTS

**CITY 111**  
Graphic Communication Techniques in Architecture and Planning I  
*(Planlama ve Mimarlıkta Grafik İletişim Teknikleri I)*

Visualization and representation techniques in different mediums. Orthographic projection, free-hand drawing, photography, communication with digital mediums.

(C2+2+0) 3 Credits / 5 ECTS
CITY 112  (2+2+0) 3 Credits / 5 ECTS
Graphic Communication Techniques in Architecture and Planning II
(Planlama ve Mimarlıktta Grafik İletişim Teknikleri II)
Field surveying and analysis techniques, master plan development, activities and circulation, creation of form, site sections, housing, center, redevelopment, design of streets and ways, utility systems, landscaping, problems of pollution, climate and orientation.
Pre-requisite: CITY 111

CITY 121  (3+0+0) 3 Credits / 5 ECTS
Introduction to the City and City Planning
(Kent Olgusuna ve Kent Planlamasına Giriş)
City Planning with its major relations with other disciplines; factors that create and continuously shape human settlements, urban and rural; the shaping of urban macroform handled with relation to urban sociology and economy. Urban structure with land use and land supply, in the light of activity systems. Processes and procedures of planning, its types, plan hierarchies and land-use patterns; introductory information about urban CBD, housing settlements, recreation zones investigated in relation to accessibility. Relations-tensions between design and planning.

CITY 201  (2+8+0) 6 Credits / 11 ECTS
Planning Studio I
(Planlama İşliği I)
Comprehensive planning of urban/regional areas of a city, analysis of its population, inner structure, demographic profile, work-force and land-use, producing future master plan, to comply with future projections to conclude the future land-use and infra-structure with the new access network.
Pre-requisite: CITY 102

CITY 202  (2+8+0) 6 Credits / 11 ECTS
Planning Studio II
(Planlama İşliği II)
Production of application plans, relying on the “master plan” produced before. Urban center, housing zones, neighborhoods, recreation areas or their complementary wholes as entities in parallel to methods and tools already covered in the first year.
Pre-requisite: CITY 201

CITY 211  (2+0+0) 2 Credits / 5 ECTS
Urban Economics
(Kent Ekonomisi)
Introduction to principles of economics and urban economics. Market structures and urban economic actors. Agents and processes of urban supply and demand. Urban land as capital. Urban production and consumption and waste. Nature of urban spatial market(s) and their relation to local, national, international and global counterparts.
CITY 213  (2+0+0) 2 Credits / 5 ECTS
Regional and Urban Geography
(Kentsel ve Bölgesel Coğrafya)
Settlement systems and their hierarchy, site-decision theories, historic and modern urban forms and their corresponding urban bodies with their theoretical conceptions. Land-use and activity patterns for cities in comparison with density patterns. Connections between activity patterns and physical structure with descriptive analysis of statistical and demographical methods and surveys.

CITY 232  (3+0+0) 3 Credits / 5 ECTS
The City in History
(Tarih İçinde Kent)
Diversity in historiography of urban history, pre-industrial and post-industrial cities, their impact on urban form. 20th century urban developments in the West, modern architecture, modern planning policies and new urban forms, with their local adaptations in Turkey. The current trends of global city, post-modern city and the ‘limitless-city’.

CITY 301  (2+8+0) 6 Credits / 12 ECTS
Planning Studio III
(Planlama İşliği III)
Basic principles of structural planning. Urban form, infrastructure and accessibility (pedestrian and vehicular transport); CBDs and sub or secondary city-centers; public space allocations, open spaces and activity. Problems pertaining to each of these in current settlements, future policies and strategies.
Pre-requisite: CITY 202

CITY 302  (2+8+0) 6 Credits / 11 ECTS
Planning Studio IV
(Planlama İşliği IV)
Urban components defined and investigated in CRP 301; CBD, neighborhoods, urban public space, or areas instigating problems like urban transformation, urban transport nodes, design, planning strategies and alternative solutions. The alternatives, implementation strategies and their corresponding circumstances.
Pre-requisite: CITY 301

CITY 322  (3+0+0) 3 Credits / 4 ECTS
Urban Circulation and Transport Planning
(Kentsel Dolaşım ve Ulaşım Planlaması)
Urban circulation and transportation concepts are interrelated with corresponding activities, with regard to the material road. Historic accessibility and road systems are handled with respect their contribution to the development of circulation and transportation systems. Rural and urban transport systems, the nature and agents of urban transport, the supply-demand analysis for urban transport is maintained. Urban land use, allocation of functions in urban land and corresponding activity patterns, are correlated with circulation-access patterns to convey transportation economics and its future roles and trends.
Economics of Urban and Regional Development
(Kentsel ve Bölgesel Kalkınmanın Ekonomisi)
Concepts, theories, and analytical tools of urban and regional economic growth and development. Macroeconomic approaches to the issues in urban and regional development. Microeconomic methodologies in analyzing the role of the factors of production such as labor, physical capital, human capital, social capital, natural resources, and entrepreneurship in urban and regional economic development. Importance of institutions and governance in urban and regional development. Economic and social improvements as measures of urban and regional development-better quality infrastructures, improved community services, diverse goods and services, lower unemployment, rising average wealth, and improved quality of life. Emerging issues in urban and regional economic development.

Regional and Urban Economics
(Bölgesel ve Kentsel Ekonomi)
Market economy and state enterprise are investigated with their reflection on production, consumption and urban management activities, with regard to capital development and the rent value of urban property as commodity. The city, its economic activities and the physical structure with its rent value that both instigate constitute the limits of the course. Economics of size and scale, economic ground, theory of centrality, theory of size and hierarchy, the theory of mega-cities to be considered as reflections of economies of urban accumulation and comparative superlatives. Revenues of urban land; absolute, relative and monopoloid urban rent theories will be under focus.

Planning Law, Plan Management, Law of Property
(Planlama Hukuku, Planlama Kurumları, Eşya Hukuku)
Practice of law, codes and regulations regarding spatial planning will be introduced via global examples. Legislative, administrative and juridictive organs will be studied in the context of local and central authorities with relation to spatial planning. Spatial planning, the conception of development of land with regard to legal procedures with codes and regulations are discussed in connection with regulatory systems. Planning legislation and property law are discussed in relation to the concept of ownership.

Topics of Planning Survey
(Planlamada Araştırma Konuları)
CITY 352  
Planning Theory and Techniques  
(Planlama Kuramı ve Teknikleri)  
The development of planning theory and ideas (physical, comprehensive, structural, systems approach, 
advocative, participatory, market-sensitive and social-sensitive, etc.), the dichotomy of planning and 
design, regional and urban agents of research-analysis-alternative approaches, population and work-
force prediction methods, development of algorithms. Decision-making, choice-making, game theory, 
strategic choice-making methods.

CITY 362  
Sociology of Planning and Design  
(Planlama Ve Tasarım Sosyolojisi)  
Social, spatial and physical approaches to the city. Core concepts and set of core writings on city 
planning, design, sociology and urbanization. Theoretical perspectives and empirical practices. The role 
of built environment in shaping social interactions. Planning and urbanization theories, urban social 
thories, ecological models of urban form, social space, main types of people activity in public spaces, 
urban way of life, place and identity, urban inequalities, community and neighborhood relations, urban 
renewal and redevelopment, globalization in social perspective and future cities. Collaborative and 
multiple ways of learning: Oral presentation, class work, reading, writing, discussions, exams and active 
class participation.

CITY 399  
Summer Practise I: Research and Analysis Practise  
(Yaz Stajı I: Araştırma ve Analiz Stajı)  
Research and analysis stages of field/area/site works, planning and design studies. Fundamentals 
of geographic information systems and computer aided design programs at diverse scales (ArchGIS, 
AutoCAD, Autodesk Revit, Sketchup, Adobe Photoshop, Illustrator etc). Students can realize their 
summer practice in planning, architecture, urban design, geographic and spatial information systems 
offices, worksites, or public institutions either in domestic or foreign institutions according to their 
professional interests. The minimum duration of the summer practice is 30 work days.

CITY 401  
Planning Studio V  
(Planlama İşığı V)  
The principles of foundational environmental planning, sustainability, infrastructure, energy and 
environment. The challenges of urban-rural, energy production-consumption, and its very relation with 
the urban-rural, optimizations of infrastructure, the transformation of the urban and its infrastructure, 
sustainable urban development, the participation of social groups to planning and environmental 
management, with their corresponding problem definitions and future strategies and policies to overcome 
the problems. 
Pre-requisite: CITY 302
CITY 402 (2+8+0) 6 Credits / 10 ECTS
Planning Studio VI
(Planlama İşığı VI)
Relying on the first semester’s problem area and problem definitions, working on environmental problems (like urban-environmental form; energy production-urban form; urban development-rural preservation; infrastructure and cities; sustainable urban form) to derive design strategies and alternatives. Developing participatory governance models, using mathematical models.
Pre-requisite: CITY 401

CITY 411 (3+0+0) 3 Credits / 5 ECTS
Construct of the City
(Kentin Kurgusu)
Layouts, patterns, texts, stories and other narratives and constructions that give way to the making of cities; the making of urban landscape; diversity of urban spatial textures; importance of perception and cognition in the design and planning of urban space; developing scenarios pertaining to the making and sustenance of urban space.

CITY 412 (2+1+0) 2 Credits / 5 ECTS
Urban Morphology
(Kentsel Morfoloji)
Approaches and theories regarding the making and understanding of the physical dimensions of the urban form, urban tissues. Diverse schools of morphogenesis and morphology; the syntax of space, Spacesyntax; use of GIS in urban spatial analysis; techniques regarding the formation of the built-up and textural qualities of the city; understanding the CBD, city-centre and the fringe developments of the city.

CITY 421 (3+0+0) 3 Credits / 5 ECTS
Natural Environment and the City
(Doğal Çevre ve Kent)
Natural environment and design; allocation of functions and planning of the rural land; discussions regarding the tension between town-and-country, rural landscape; energy dependent-energy efficient design; ecology in environmental design; sustainable design are issues that are comprehended.

CITY 422 (3+0+0) 3 Credits / 5 ECTS
Social Environment and the City
(Toplumsal Çevre ve Kent)
Men-Environment Relations; the individual and the group behavior; possession and sense of belonging; territory and place as concepts; the definition of environment as micro-meso-macro scales; urban image; urban aesthetics; individual reception of the urban; participation in planning; with case studies.

CITY 462 (3+0+0) 3 Credits / 5 ECTS
Models in Urban Planning
(Kent Planlamasında Modeller)
Systems Approach and its relations with models; model formation models; urban model types; concept; prediction-making of spatial interference; model calibration; problem definition making; planning and attraction modelling comprehended.
CITY 499 (0+0+0) 0 Credits / 2 ECTS
Summer Practice II: Planning and Design Practice
(Yaz Staji II: Planlama ve Tasarım Staji )
Yurt içi/yurt dışı planlama, mimarlık, kentsel tasarım ofisinde /şantiyesinde ya da bir kamu kurumunda planlama, tasarım, proje geliştirme, temsil ve sunum süreçlerine aktif olarak katılım. Bu staj kapsamında öğrencilerin, çalıştığı kurumun düzen ve organizasyonunu, proje gelişim aşamalarını, uygulama ilişkilerini izlemeleri ve bu süreçte aktif olarak katılmaları beklenmektedir. Asgari staj süresi 30 iş gündür.
Pre-requisite: CITY 399
DEPARTMENT OF INDUSTRIAL DESIGN

Chair
Asst. Prof. Sedef Süner Pla Cerda

Academic Staff
Asst. Prof. Sedef Süner Pla Cerda, Asst. Prof. Aren Emre Kurtgözü, Asst. Prof. Canan E. Ünlü, Asst. Prof. Damla Özer, Batuhan Şahin*, Lilyana Yazılıoğlu*

* Research Assistant

Undergraduate Program in Industrial Design

The undergraduate program in Industrial Design (ID) at TEDU embraces user-centred design approach for the betterment of life, and puts emphasis on developing creative and practical problem-solving skills of students. Moreover, TEDU ID aims to improve capacity for collaboration, teamwork and co-creation processes which are essential for designers in professional life, and to develop basic skills of design process such as user-centred research, conceptual product development for defined needs, modelling, prototyping, and evaluating the end product.

TEDU ID’s vision is to provide education which is interactive, research-oriented and compliant with international standards. It aims to educate industrial designers who are innovative and competitive at national and international levels, creative and entrepreneurial, sensitive to ethics and sustainability issues, and have social awareness. TEDU ID’s goal is to deliver a unique, independent and research-centered environment to students.

Graduates of TEDU ID undergraduate program correspond to the necessities of various industries and collaborate dexterously within interdisciplinary teams; have knowledge and skills about contemporary issues of design such as design for sustainability, open design, user-centered design and social innovation; have the awareness of environmental, ethical, social and professional responsibilities; develop abstract, analytical and relational thinking skills; are competent in presentation techniques and have excellent visual, verbal and literary communication skills; keep abreast of social, economic and technological developments, and have prescience of future products and novel use contexts; are eager for independent and continuous learning; have motivation for observation, research, questioning and initiative, and have flexible thinking skills; have the expertise in conventional and contemporary production technologies and materials, and construct these into useful and suitable products for users with creative and planned processes.

Program Outcomes

By the end of this degree, students should be able to do the following:

1. Interpret architectural knowledge in problem definition and design processes in the context of related arts within an interdisciplinary approach, develop critical evaluation of theoretical and conceptual theories, define the design problem and propose solutions.

2. Demonstrate compatibility in product, system and process design in industrial design discipline, have appropriate knowledge of material and production methods and be able to apply knowledge.
3. Use up to date information and communication technologies in thinking, producing and presentation processes.
4. Demonstrate competence in written and verbal expression of ideas and thoughts both in Turkish and English.
5. Apply theoretical and practical knowledge to praxis.
6. Develop self-discipline for lifelong learning, time management, methodological study, and research habits.
7. Develop skills for abstract, analytical and relational thinking in internalizing notions of design and design processes.
8. Generate designs and proposals employing basic, environmental and universal design principles.
9. Develop personal creativity and skills to communicate creative ideas, perspectives and solutions.
10. Evaluate current knowledge and praxis, using appropriate research methods, skilled questioning, critical thinking and ethical perspectives.
11. Develop a product, individually and within a team integrating phases from formulation to completion, in a professional and collaborative context.
12. Identify and criticize the relationship between people and built environment by relating ethical issues, social factors, human behaviors and cultural diversities.

### Undergraduate Curriculum

#### Semester 1

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**Totals expected for graduation**

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### Undergraduate Course Descriptions

**ID 101** *(2+8+0) 6 Credits / 9 ECTS*

**Basics of Design** *(Tasarımın Temelleri)*

Basic rules and principles of design. Knowledge and skills in basic design concepts, design elements, visual thinking, presentation of thought in two dimensions, organization, composition, abstraction. Elements of Design: Point, Line, Shape, Dimension, Texture, Value, Color. Principles of Design: Direction, Repetition, Harmony, Balance, Unity, Dominance, Contrast, Rating, Permeability, Movement, Rhythm, Diversity, Change,…

**ID 102** *(2+8+0) 6 Credits / 10 ECTS*

**Basics of Three Dimensional Design** *(Üç Boyutlu Tasarımın Temelleri)*

The basic design elements and principles studied in the prerequisite course (ID101 Design Principles) are applied in three-dimensional compositions with advanced exercises. Additionally, with these exercises, students work with various materials and develop their hand skills. During this semester, students begin to design functional objects that require simple form studies.

Pre-requisite: ID 101

**ID 111** *(2+2+0) 3 Credits / 5 ECTS*

**Visual Communication Techniques I** *(Görsel İletişim Teknikleri I)*

Visualization and graphic representation techniques in different media. Orthographic projection, isometric drawing, free-hand sketching, introduction to photography, introduction to typography.
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<td>Visualization and graphic representation techniques in different media. Expression and communication of design ideas, design elements and formal attributes. Free-hand sketching, Perspective drawing, Introduction to 3 Dimensional modeling techniques, Introduction to communication with digital media. Pre-requisite: ID 111</td>
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<td>ID 121</td>
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<td><strong>Introduction to Industrial Design</strong> (Endüstriyel Tasarına Giriş)</td>
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<td>Fundamental design terminology. Design process and design thinking. Historical and organisational context of industrial design as a profession. Relationship of industrial design to other design disciplines. Career paths and emerging issues in industrial design.</td>
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<td>Introduction to formal, structural and functional components of design. Efficiency in manufacture and use of resources. Basics of human-product interaction. Knowledge and skills in user-centred design process. Pre-requisite: ID 102</td>
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<td>Development of conceptual approaches and research methods for design solutions with a focus on the contextual issues of production and use. Pre-requisite: ID 201</td>
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<td>Fundamental knowledge on the development of design thought and practices throughout the history up to the mid-20th century. Global examples of prominent design edifices and theories.</td>
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<td>Fundamental knowledge on the development of design thought and practices throughout the history after late 20th century to today. Global examples of prominent design edifices and theories. Pre-requisite: ID 221</td>
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ID 241 (3+0+0) 3 Credits / 5 ECTS
Structure and Design
(Yapısal Sistem ve Tasarım)
Basic knowledge of structures, fundamental principles of structural behaviors. Relationship between structure, geometry and form. States of stress and deformation. Analysis of simple structural systems, force characteristics, internal and external forces, loads, moment, equilibrium, support conditions and reactions, shear and axial forces, bending moments.

ID 301 (2+8+0) 6 Credits / 11 ECTS
Industrial Design III
(Endüstriyel Tasarımı III)
Multi-dimensional design problems and solutions in the human context of ergonomic, psychological, cultural and social relations. Cultural, ecological, and social sustainability. Universal design principals.
Pre-requisite: ID 202

ID 302 (2+8+0) 6 Credits / 11 ECTS
Industrial Design IV
(Endüstriyel Tasarımı IV)
Holistic approach to the development of corporate and individual identity, and contextual sustainability. Integration of advanced production and technological systems into the design process.
Pre-requisite: ID 301

ID 311 (3+0+0) 3 Credits / 5 ECTS
Model Making
(Model Yapımı)
Model making processes, industrial standards in model making, equipment, tools, materials.

ID 312 (3+0+0) 3 Credits / 5 ECTS
Computer Graphics and Presentation Techniques I
(Bilgisayar Grafik ve Sunum Teknikleri I)
3D modeling and advanced multi-media presentation techniques.

ID 313 (3+0+0) 3 Credits / 5 ECTS
Computer Graphics and Presentation Techniques II
(Bilgisayar Grafik ve Sunum Teknikleri II)
Advanced 3D modeling and advanced multi-media presentation techniques.

ID 314 (3+0+0) 3 Credits / 5 ECTS
Color and Light
(Renk ve Işık)
Color theory, application of color and light in design in psychological, physiological, visual, aesthetic and technical aspects.
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<td>Contemporary Issues in Design</td>
<td>Contemporary design theories and practices in the world and Turkey. Significant concepts in the discursive formations of the discipline and their reflections to the global practice.</td>
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<td>ID 331</td>
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<td>Introduction to Interior Design</td>
<td>Introductory concepts of spatial design with a strong emphasis on the integration of space, its elements and related objects. Common applications of spatial design and object design.</td>
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<td>Ergonomics and Human Factor in Design</td>
<td>User-product relationships for safe and usable designs. Product and interface design in terms of human physics, human psyche and culture.</td>
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<td>Summer practice in a manufacturing establishment. Active participation in and/or observation of manufacturing processes. The minimum duration of the summer practice is 30 work days.</td>
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<td>ID 401</td>
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<td>Industrial Design V</td>
<td>A multi-dimensional design problem with integrative analysis of social and market values for responsible and marketable solutions. Advanced use of modes of representation. Pre-requisite: ID 302</td>
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ID 402  (2+8+0) 6 Credits / 12 ECTS
Industrial Design VI
(Endüstriyel Tasarımı VI)
Incorporation of contemporary design theories and individual design methodologies for innovative design solutions for real-life design problems with a critical and professional approach.
Pre-requisite: ID 401

ID 421  (3+0+0) 3 Credits / 5 ECTS
Theory of Design
(Tasarım Teorisi)
Introduction to design historiography. Theory, texts by scholars who have an important role in the creation of conceptualization and interpretation of basic concepts and perspectives in design.

ID 430  (1+2+0) 3 Credits / 5 ECTS
Design For User Experience
(Kullanıcı Deneyimi İçin Tasarım)
Introduction to user experience (UX) definitions and models. Exploration of major concepts in designing for user experience and specific user needs. Review of user-centred design and user research methods. Application of UX methodology both for insight generation and evaluation. Concept generation and low fidelity prototyping for identified needs of specific user groups.

ID 462  (1+0+0) 1 Credits / 2 ECTS
Profession and Practice in Design
(Tasarımda Meslek ve Uygulama)
Processes for product development, production and marketing. Technical, theoretical and ethical considerations in design practice. Design management, and cooperation of various parties.

ID 464  (3+0+0) 3 Credits / 5 ECTS
Product Design and Performance
(Ürün Tasarımı ve Performansı)
Advanced issues in product design in relation to performance criteria. Performance analysis concerning processes of manufacturing and use.

ID 466  (3+0+0) 3 Credits / 5 ECTS
Contemporary Materials and Innovative Technologies
(Yeni Malzemeler ve Yenilikçi Teknolojiler)
New materials and innovative technologies for contemporary production, use and recycling processes.

ID 499  (0+0+0) 0 Credits / 2 ECTS
Summer Practice II: Design Office
(Yaz Stajı II: Tasarım Ofisi)
Participation to the processes of design, development and representation of a project in a professional design office. The minimum duration of the summer practice is 30 work days.
Pre-requisite: ID 399
DEPARTMENT OF INTERIOR ARCHITECTURE AND ENVIRONMENTAL DESIGN

Chair
Assoc. Prof. Nur Ayalp

Academic Staff
Assoc. Prof. Nur Ayalp, Asst. Prof. Barış Yakan, Asst. Prof. Gökhan Kınayoğlu, Asst. Prof. İlkay Aslan, Asst. Prof. Onur Yüncü, Cihat Çağlar*, Nevzat Ruhi Eryılmaz*

* Research Assistant

Undergraduate Program in Interior Architecture and Environmental Design

TED University Department of Interior Architecture and Environmental Design mainly focuses on to educate students’ perspective in a global context. In developing global perspective students encourage to discuss the recent developments and problems in their field such as sustainability, innovative/creative design solutions for the psychology of users in different environments. Especially, new technological developments in the field of interior design are in the focus of education policy. In doing so, the Department of Interior Architecture and Environmental Design Department aims to be productive in using techniques of learning by doing.

The program focuses on the profession of interior architecture with its all dimensions. Lighting, material, acoustic, color and formal expressions of these elements in space are one of the focal points of the programme. Whereas the conceptual development in designing spaces by using these design elements is the major concern in educating students. On the other hand, psychological behaviours’ of the users in an environment are another essential concern of the program. In this context, students encouraged to deal with the social and cultural dimensions of interiors architecture.

Another important concern of the program is to encourage students to work and communicate with different disciplines that are influential in designing environments. In order to gain a wider perspective in their field, the other disciplines act an essential role in developing their communicational skills. Additionally programme aims to encourage students to develop academics researches within their fields and with the other disciplines.

Generally, the programme assures that students engaged with professional practice in their field and be aware of technological developments on their way to become an expert in interior architecture. Moreover, the programme offers an intensive global perspective in the field of Interior Architecture and Environmental Design.

Program Outcomes

Interior Architecture and Environmental Design Program Outcomes;

1. Develop a three-dimensional abstract perception of spaces, create knowledge in the light of theoretical, and conceptual theories about the profession and to transfer this knowledge to interior design.
2. In order to meet the functional requirements in the context of interior design and to produce solutions to the problems, to have knowledge about the material and production methods covered by the field and to have ability to use this knowledge.

3. To be able to use up-to-date information and communication technologies to present their projects

4. Competence in expressing their ideas both in Turkish and in English.

5. To be able to put into practice the theoretical and abstract knowledge.


7. Develop the ability to work and communicate with different disciplines that are effective in space design processes.

8. To be able to produce design and suggestions by using basic, environmental and universal principles of design discipline.

9. Developing personal creativity and skills to convey creative thinking, perspectives and solutions.

10. To be able to perceive the relationship between environment and people with a multi-dimensional perspective and evaluate these relationships both in the dimension of physical and psychologic.

11. To be able to develop the projects as a part of an individual or a team by integrating each stage in a professional and participatory context.

12. Identify and criticize the relationship between human and built environment, social factors and ethical consciousness in interior design, and associate it with social factors, human behavior and cultural diversity.

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**Undergraduate Curriculum**

**Semester 1**

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Courses with Pre-requisites

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Undergraduate Course Descriptions

**TINT 101**

(2+8+0) 6 Credits / 9 ECTS

Studio I

(Stüdyo I)

The course includes two and three dimensional form-work exercises with the help of deductive and inductive methods in parallel with design principles and perception theories.

**TINT 102**

(2+8+0) 6 Credits / 10 ECTS

Studio II

(Stüdyo II)

The course includes two and three dimensional form-work exercises with the help of deductive and inductive methods in parallel with design principles, colour and perception theories.

Pre-requisite: TINT 101

**TINT 111**

(2+2+0) 3 Credits / 5 ECTS

Visual Communication Techniques I

(Görsel İletişim Teknikleri I)

The course includes, use of technical drawing tools and equipments, letter, line and drawing standarts according to their use, dimension, measure, scale types, geometry, basic geometric drawings, design.
TINT 112  (2+2+0) 3 Credits / 5 ECTS
Visual Communication Techniques II
(Görsel İletişim Teknikleri II)
The course includes, single and double escape perspective drawing, interior space perspective lectures/studies and practice, single furniture perspective lectures/studies and practice.
Pre-requisite: TINT 111

TINT 201  (2+8+0) 6 Credits / 11 ECTS
Studio III
(Stüdyo III)
Interior architecture design process as complex structuring of spatial experiences in relation to the concept of human scale and the physical properties of interior divisions.
Pre-requisite: TINT 102

TINT 202  (2+8+0) 6 Credits / 11 ECTS
Studio IV
(Stüdyo IV)
Development of design strategies based on fundamental interior architecture design components such as scenario/program setting and materiality in a relatively small space.
Pre-requisite: TINT 201

TINT 212  (1+0+0) 1 Credits / 2 ECTS
Environmental Systems and Comfort
(Çevresel Sistemler ve Konfor)
Technical codes in building systems. Research and project implementation of building systems in project scale. Relations between building systems; electricity, air ventilation and water systems, design solutions with the understanding building systems. Comfort conditions in interior environments. Integrated systems and sustainability.

TINT 221  (2+0+0) 3 Credits / 5 ECTS
Culture and Theory I
(Kültür ve Kuram I)
Fundamental knowledge on the development of interior design thought and practices throughout the history up to the 21st century. Global examples of prominent interior architecture, environmental design and theories.

TINT 222  (2+1+0) 2 Credits / 5 ECTS
Culture and Theory II
(Kültür ve Kuram II)
Fundamental knowledge on the development of interior design thought and practices throughout the history up to the 21st century. Global examples of prominent interior architecture, environmental design and theories.
TINT 251 (3+0+0) 3 Credits / 5 ECTS
Construction and Materials
(Yapısal Sistem ve Malzeme)
Basic knowledge on the elements and components of buildings and structures. Fundamental principles of structural behaviors. Production of construction and material drawings like staircases and reflected ceiling.

TINT 301 (2+8+0) 6 Credits / 11ECTS
Studio V
(Stüdyo V)
Multi-dimensional design problems concerning public and semi public interiors. Cultural, ecological, and social sustainability. Universal design principals.
Pre-requisite: TINT 202

TINT 302 (2+8+0) 6 Credits / 11ECTS
Studio VI
(Stüdyo VI)
Pre-requisite: TINT 301

TINT 311 (3+0+0) 3 Credits / 5 ECTS
Model Making
(Model Yapımı)
Model making processes, industrial standards in model making, equipment, tools, materials.

TINT 312 (3+0+0) 3 Credits / 5 ECTS
Computer Graphics and Presentation Techniques I
(Bilgisayar Grafik ve Sunum Teknikleri I)
3D modeling and advanced multi-media presentation techniques.

TINT 313 (3+0+0) 3 Credits / 5 ECTS
Computer Graphics and Presentation Techniques II
(Bilgisayar Grafik ve Sunum Teknikleri II)
Advanced 3D modeling and advanced multi-media presentation techniques.

TINT 314 (3+0+0) 3 Credits / 5 ECTS
Color and Light
(Renk ve Işık)
Color theory, application of color and light in design in psychological, physiological, visual, aesthetic and technical aspects.
TINT 321  (3+0+0) 3 Credits / 5 ECTS
Culture and Theory III
(Kültür ve Kuram III)
Post Modern era in interior design. Cultural changes and reflection on styles in interiors between Post
Modern period and recent trends. The effects of today’s new technology culture on interior, furniture and
materials.

TINT 322  (3+0+0) 3 Credits / 5 ECTS
Contemporary Issues in Interior Architecture
(İç Mimarlıkta Çağdaş Söylemler)
Contemporary design theories and practices in the world and Turkey. Significant concepts in the
discursive formations of the discipline and their reflections to the global practice.

TINT 331  (3+0+0) 3 Credits / 5 ECTS
Introduction to Industrial Design
(İç Mekan Tasarımına Giriş)
Introductory concepts of object design with a strong emphasis on the form, material and production.
Common applications of spatial design and object design.

TINT 332  (3+0+0) 3 Credits / 5 ECTS
Form in Arts, Architecture and Design
(Sanat, Mimarlık ve Tasarımda Biçim)
Compositional, visual and cultural aspects of form in arts, architecture and design throughout history.

TINT 372  (3+0+0) 3 Credits / 5 ECTS
Advanced Detailing
(Üst Düzeyde Detaylandırma)
Building systems and materials. Modular interior systems. User-product relationships for safe and usable
designs. Product and interface design in terms of human physics, human psyche and culture.

TINT 399  (0+0+0) 0 Credits / 2 ECTS
Summer Practice I: Construction Site
(Yaz Stajı I: Üretim)
Summer training on an interior architecture construction site concerning production techniques of
different scales. Minimum 30 work days.

TINT 401  (2+8+0) 6 Credits / 12 ECTS
Studio VII
(Stüdyo VII)
A multi-dimensional and complex design problem concerning large interior spaces. Advanced solutions of
spatial planning and layout. Standards, codes and regulations. Advanced detailing of design. Advanced
use of modes of representation.
Pre-requisite: TINT 302
TINT 402 (2+8+0) 6 Credits / 12 ECTS
Studio VIII (Stüdyo VIII)
Pre-requisite: TINT 401

TINT 421 (3+0+0) 3 Credits / 5 ECTS
Theory of Design (Tasarım Teorisi)
Introduction to interior design historiography. Theory, texts by scholars who have an important role in the creation of conceptualization and interpretation of basic concepts and perspectives in interior design.

TINT 464 (3+0+0) 3 Credits / 5 ECTS
Interior Design, Environment and Sustainability (Ürün Tasarımı ve Performansı)
Advanced issues in product design in relation to performance criteria. Performance analysis concerning processes of manufacturing and use.

TINT 466 (3+0+0) 3 Credits / 5 ECTS
Contemporary Materials and Innovative Technologies (Yeni Malzemeler ve Yenilikçi Teknolojiler)
New materials and innovative technologies for contemporary production, use and recycling processes.

TINT 499 (0+0+0) 0 Credits / 2 ECTS
Summer Practice II: Design Office (Yaz Stajı II: Tasarım Ofisi)
Summer training in a professional interior architecture/architecture/design office. The minimum duration of the summer practice is 30 work days.
Pre-requisite: TINT 399
FACULTY OF ARTS AND SCIENCES
FACULTY OF ARTS AND SCIENCES

Dean’s Statement

Our faculty consists of four departments including 25 very qualified full time faculty members having a variety of research interests. They are all active scientists in their laboratories and in their fields. In addition to being efficient researchers, they also use innovative and active teaching methods with the aim of educating graduates attuned to the core values of the university.

Aside from being a traditional Faculty of Arts and Sciences, we provide a wide range of courses to all students of the university in an attempt to help them increase their intellectual flexibility, gain different perspectives, develop creative, critical and analytical thinking skills, express themselves competently in their verbal and written work, engage in team work and become skilled problem-solvers.

The English Language and Literature Department provides a curriculum for their students that will help them understand various literatures written in English and comparatively investigate current cultures. The program aims to train students for the next century who are able to understand both today's and future's world, to adjust themselves to the rapidly changing and complex conditions of the current system and to ultimately change and transform the world.

Graduates of the Mathematics Department gain a strong theoretical knowledge of mathematics as well as the necessary skills for its applications into other disciplines. Students educated under the high standards of TEDU can easily pursue their graduate studies and also can work in various public and private sectors with these skills.

Psychology students learn to ask complex and detailed questions with their acquired mental dexterity, to identify where and how to find answers to those questions, and to analyze their research results without losing sight of the big picture. These skills are consistent with the dynamic and interdisciplinary nature of the field of Psychology.

Sociology students will be able to enrich their education combining the theories and fieldwork of Sociological Sciences in a natural learning environment, due to the advantage of being in a city university located in the heart of Ankara. Sociology graduates will have sociological vision and be sensitive to social problems, and be able to think creatively and critically.

To be a student in one of our programs means to take part in a vivid and gratifying adventure including continuous learning, searching, discussing and spreading the knowledge via different mediums.

If you wish to experience this adventure and are considering one of our programs, we highly recommend familiarizing yourself with our departments, faculty members and programs by browsing our web pages.

Prof. F. Melike SAYIL, Dean
DEPARTMENT OF ENGLISH LANGUAGE AND LITERATURE

Chair
Prof. Yusuf Eradam

Academic Staff
Prof. Yusuf Eradam, Asst. Prof. Ayşegül Kuglin Köselioğlu, Asst. Prof. Taner Can, Melike İrem Şimşek*
* Research Assistant

Undergraduate Program in English Language and Literature

The aim of the department is to provide students with the knowledge, skills and competencies necessary to conduct interdisciplinary academic studies and research in the field of English literature and culture and to share their findings on national and international professional and social platforms.

In this context, the TED University English Language and Literature program aims to educate individuals who can follow the changing global dynamics with an ecological consciousness that is achieved from the literary and cultural texts they study and develop their research and studies by focusing on solving environmental and social problems.

Program Outcomes

Graduates of the English Language and Literature Department:

1. Are sufficiently knowledgeable about the English language, literature and culture.
2. Are sufficiently knowledgeable about literary genres, theories, concepts and terms.
3. Have the theoretical knowledge necessary to examine the canon and contemporary texts of English literature in the context of historical, social, cultural, economic, political and ecological backgrounds.
4. Have theoretical and practical knowledge about the systematic structure, functioning and transformations of the English language.
5. Are able to use analytical strategies in the process of independent thinking and evaluate the information they receive in order to produce new ideas and projects in critical and creative processes.
6. Can collect information and data through individual and / or group work on topics related to English language, literature and culture by using current information technology and research methods and techniques and share this information and data in national and international education and training environments and other professional settings.
7. Can examine literary and cultural texts in an interdisciplinary approach within the framework of contemporary theories.
8. Have the knowledge and skills necessary to teach subjects in English language, literature and culture in national and international settings.
9. Can competently translate texts from English to Turkish and Turkish to English by developing translation strategies for different types of texts.
10. Can perform independent research using problematical, creative and analytical thinking skills, solve problems, and express results using effective methods in national and international professional and social settings.
11. Adopt basic universal values and develop a non-prejudiced, respectful and open-minded attitude towards different languages, religions, gender and cultural identities.

12. Can impart the knowledge, communication skills, critical standpoint and flexibility acquired through the study of culture and literature to their professional and social lives.

13. Gain the ability to conduct scientific research, evaluate resources and write academic articles at the undergraduate level.

### Undergraduate Curriculum

#### Semester 1

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Undergraduate Course Descriptions

ELL 102 (3+0+0) 3 Credits / 7 ECTS
Introduction to Literature
(Edebiyata Giriş)
Introduction to the main forms, principles and terms of literature. The main literary forms: poetry, drama, the short story and the novel, and concepts necessary for the study and evaluation of literary works throughout the undergraduate programme.
Pre-requisites: None

ELL 201 (3+0+0) 3 Credits / 7 ECTS
Survey of English Literature I
(İngiliz Edebiyatına Giriş I)
Introduction to the main forms, principles and terms of literature. The main literary forms: poetry, drama, the short story and the novel, and concepts necessary for the study and evaluation of literary works throughout the undergraduate programme.
Pre-requisites: None

ELL 202 (3+0+0) 3 Credits / 8 ECTS
Survey of English Literature II
(İngiliz Edebiyatına Giriş II)
The chronological study of English literature from the 19th century until the present. The English literary tradition in the context of various periods of history.
Pre-requisites: None

ELL 203 (3+0+0) 3 Credits / 8 ECTS
Mythology
(Mitoloji)
The main characteristics and concepts of Greek and Roman as well as Christian and Norse mythology. Interpretations and transformations of these concepts in Western, especially English literature.
Pre-requisites: None

ELL 204 (3+0+0) 3 Credits / 7 ECTS
Introduction to Fiction
(Roman ve Öyküye Giriş)
Close reading, interpretation and evaluation of selected works of fiction, with attention to their historical contexts, narrative elements, and critical theory.
Pre-requisites: None

ELL 205 (3+0+0) 3 Credits / 8 ECTS
Translation I
(Çeviri I)
Close reading, interpretation and evaluation of selected works of fiction, with attention to their historical contexts, narrative elements, and critical theory.
Pre-requisites: None
ELL 206  (3+0+0) 3 Credits / 8 ECTS
Translation II
(Çeviri II)
Development of students' translation skills through various in-class activities.
Pre-requisites: None

ELL 208  (3+0+0) 3 Credits / 5 ECTS
Epics and Heroes
(Destanlar ve Kahramanlar)
A groundwork in the epic genre and an in-depth study of the literary hero in different literary forms and through the ages, beginning with the heroes of the epic tales of antiquity.
Pre-requisites: None

ELL 210  (3+0+0) 3 Credits / 5 ECTS
Highlights of the American Literary Trad
(Amerikan Edebiyatı Geleneğinden Seçmeler)
Pre-requisites: None

ELL 212  (3+0+0) 3 Credits / 6 ECTS
Introduction to Cultural Studies
(Kültür İncelemelerine Giriş)
Critical approaches in the field of cultural studies and their use in the analysis of selected literary texts and cultural products.
Pre-requisites: None

ELL 301  (3+0+0) 3 Credits / 6 ECTS
19th Century English Novel
(19. Yüzyıl İngiliz Romani)
The study of works of the most important English novelists of the 19th century with a critical eye within the context of the social and cultural values and changes of the period.
Pre-requisite: ELL 204

ELL 302  (3+0+0) 3 Credits / 6 ECTS
Shakespeare I
(Shakespeare I)
A selection of Shakespeare’s histories and comedies, the study of his dramatic and characterization techniques.
Pre-requisites: None
ELL 303  (3+0+0) 3 Credits / 5 ECTS
Modern and Contemporary English Poetry
(Modern ve Çağdaş İngiliz Şiiri)
Outstanding examples of poetry written in English from Britain, the USA and other English-speaking countries. Mainly modernist and post-modernist movements. Influence of world wars. Post-war movements. Symbolism, Confessional poetry etc.
Pre-requisites: None

ELL 304  (3+0+0) 3 Credits / 5 ECTS
19th Century English and American Poetry
(19. Yüzyıl İngiliz ve Amerikan Şiiri)
Introduction of the basic themes and issues of the British romantics and the American transcendentalists. Their ideas, form and style. The characteristic features of the period of their productions and other facts forming the poems. Readings of the poems with ecological, environmental consciousness.
Pre-requisites: None
Co-requisites: None

ELL 305  (3+0+0) 3 Credits / 5 ECTS
Science Fiction and Fantasy Literature
(Bilim Kurgu ve Fantastik Edebiyat)
Analysis of selected works of science fiction and fantasy literature in the framework of related genre theories.
Pre-requisites: None
Co-requisites: None

ELL 306  (3+0+0) 3 Credits / 5 ECTS
Violence and War Literature
(Şiddet ve Savaş Edebiyatı)
Study of experiences and effects of war through close reading and theories of memory and trauma in a historical context.
Pre-requisites: None
Co-requisites: None

ELL 307  (3+0+0) 3 Credits / 6 ECTS
The Outsider in Literature
(Edebiyatta Ayrıksı Kişiler)
Sample readings from world literature in English. Character centered literary works and readers’ reflections on everyday life. Analysis of people labelled as “outsiders, strangers, misfits, outcasts etc.” Discourse of hatred. Narrative techniques of awareness-raising against othering and antagonism.
Pre-requisites: None
Co-requisites: None
ELL 308  
Comparative Literature  
(Karşılaştırmalı Edebiyat)
New literary and cultural approaches and ideas. Comparative analyses of English literary works and works from Western and Turkish literature in the framework of specific literary concepts, characters, styles and techniques.  
Pre-requisites: None  
Co-requisites: None

ELL 309  
Utopias/Dystopias  
(Ütopyalar/Distopyalar)
Positive and negative fictional portrayals of societies. Study of examples of utopias and dystopias within the framework of their historical context and modern viewpoints, from the social and philosophical point of view.  
Pre-requisites: None  
Co-requisites: None

ELL 310  
Journey in Literature and Film  
(Edebiyatta ve Sinemada Yolculuk)
The mythical journey of the hero. The road as a metaphor for life. Archetypal pattern in examples of literature and film. Change, metamorphosis and the formation of identity, culture and memory.  
Pre-requisites: None  
Co-requisites: None

ELL 311  
Gender Studies  
(Cinsiyet Araştırmaları)
The concept of gender, the main ideas regarding this concept in history, literature and philosophy. Analysis of texts questioning the relationships of women with culture and society as well as examples of social gender inequality in areas like the media and law.  
Pre-requisites: None  
Co-requisites: None

ELL 312  
Gothic  
(Gotik)
The Gothic in Western and English literature. Basic characteristics and examples of the Gothic, from the beginnings in the 18th and 19th centuries to the various forms visible in different genres and periods to the present.  
Pre-requisites: None  
Co-requisites: None
ELL 313 (3+0+0) 3 Credits / 5 ECTS
Green Literature (Yeşil Edebiyat)
Introduction to the literary theory known as green literature or ecocriticism. Analysis of selected works of fiction from an ecocritical perspective.
Pre-requisites: None
Co-requisites: None

ELL 401 (3+0+0) 3 Credits / 5 ECTS
Contemporary Drama (Çağdaş Tiyatro)
Comparative study and analysis of the innovations brought to the stage by the 20th and the 21st century examples of the British and American theatre. Expressionistic drama, realistic examples, absurd, in yer face movement, fantastic drama and dark comedy.
Pre-requisites: None
Co-requisites: None

ELL 402 (3+0+0) 3 Credits / 6 ECTS
Shakespeare II (Shakespeare II)
The study of Shakespeare’s most important tragedies. In-depth analyses of his dramatic technique.
Pre-requisites: ELL 201 and ELL 202
Co-requisites: None

ELL 403 (3+0+0) 3 Credits / 6 ECTS
Literary Theory (Yazınsal Eleştiri Kuramları)
A survey of contemporary literary theories and their application to literary texts. Awareness of literary theory and its role in the interpretation of literary texts.
Pre-requisites: None
Co-requisites: None

ELL 404 (3+0+0) 3 Credits / 6 ECTS
Adaptations from the Page to the Screen (Sayfadan Beyazperdeye Uyarlamalar)
Analysis and comparison of the narrative techniques of novels and stories and their film versions. Comparative and contrastive analysis of both works. Reasons behind the differences. Verbal and visual approaches and narrative techniques in both mediums.
Pre-requisites: None
Co-requisites: None
ELL 405 (3+0+0) 3 Credits / 7 ECTS
Literary Translation (Yazınsal Çeviri)
Source language English translated into target language Turkish, and vice versa. Learners’ awareness raised to the form and style, to the semantic and linguistic subtleties of the source and target languages. In-class discussions of translations of poems, from short-stories, novels and examples of non-fiction. Students’ decision-making and alternative translations.
Pre-requisites: ELL 205 and ELL 206
Co-requisites: None

ELL 406 (3+0+0) 3 Credits / 8 ECTS
Graduation Project (Mezuniyet Projesi)
A list of topics for the students. Topic selected. Every step monitored by the supervising professor. Research completed. Results and outcomes of research discussed by the student and professor. Student’s argumentation of his/her idea. Writing of a well-organized academic essay completed.
Pre-requisites: ENG 111 and ENG 112
Co-requisites: None

ELL 407 (3+0+0) 3 Credits / 6 ECTS
Modern and Contemporary Novel (Modern ve Çağdaş Roman)
In-depth analyses of the works of the most important English novelists of the 20th within the context of the literary genres and traditions as well as the social and cultural changes of the period.
Pre-requisite: ELL 204
Co-requisites: None
DEPARTMENT OF MATHEMATICS

Chair
Assoc. Prof. Mehmet Onur Fen

Academic Staff

* Research Assistant
** Part Time

Undergraduate Program in Mathematics

Today, mathematics plays an important role in understanding and developing various fields of science. It is almost impossible to deliver solutions in many disciplines, particularly in engineering sciences, without using mathematical models and approaches. Mathematics is an indispensable part of the theoretical and practical backgrounds of various fields that will come into prominence in the near future, such as computational sciences, artificial intelligence, system analysis and data science.

Our graduates will have the potential of contributing to academic and hypothetic studies in the light of theoretical knowledge acquired during undergraduate studies. In addition to this, they will have knowledge about different disciplines in which mathematics is utilised thanks to application skills that they will acquire.

The aim of the TED University Department of Mathematics is to provide an innovative interdisciplinary program in parallel with the developments in the modern world, without compromising the quality of mathematics education. Student-centered approach to teaching, modern teaching methods that encourage participation, secondary field that broadens students’ perspectives are only some of the distinctive qualities of our department.

Program Outcomes

Students graduating from TEDU Department of Mathematics will:

1. Have basic knowledge of mathematics.
2. Have the ability of mathematical thinking and causal reasoning.
3. Be able to follow scientific and popular publications on mathematics.
4. Have the ability to apply theoretical knowledge on mathematics into practice.
5. Be able to follow recent developments on mathematics at least in one foreign language.
6. Have the skills necessary to use computer software as required by mathematics.
7. Have the understanding of relationship of mathematics with other fields.
8. Have the ability to suggest mathematical approaches for individual or social issues.
9. Aim to improve their professional competence continuously and engage in life-long learning.
10. Have the ability to express their suggestions in written form or verbally for the problems in their field.
12. Be sensitive to social and environmental matters with social responsibility.
13. Have the ability to cooperate with colleagues and other related people on research projects and studies in their field.

## Undergraduate Curriculum

### Semester 1

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**Totals expected for graduation** 127 8 10 135 240
## Courses with Pre-requisites

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Undergraduate Course Descriptions

MATH 100 (2+1+0) 0 Credits / 0 ECTS
Pre-Calculus
(Ön-Analiz)
This course is designed primarily for students who intend to take MATH 111 for EGE and GPC. Topics include fundamentals. Functions. Graphs of functions. Polynomial functions and their graphs. Complex numbers. Rational functions. Exponential functions. Trigonometric functions of real numbers.

MATH 101 (3+2+0) 4 Credits / 7 ECTS
Calculus of one variable
(Tek Değişkenli Analiz)

MATH 102 (3+2+0) 4 Credits / 7 ECTS
Multivariable Calculus
(Çok Değişkenli Analiz)

MATH 103 (3+0+0) 3 Credits / 5 ECTS
Mathematics for Education Majors
(Eğitim Bölümleri için Matematik)

MATH 104 (3+0+0) 3 Credits / 5 ECTS
Mathematics II
(Matematik II)

MATH 105 (3+0+0) 3 Credits / 5 ECTS
Fundamentals of Mathematics
(Matematığın Temelleri)
MATH 106  
Discrete Mathematics  
(Ayrık Matematik)  
Set Theory, Fundamentals of logic, Introduction to mathematical proof techniques, Fundamental principles of counting, Discrete probability, The Pigeonhole principle, Relations and Functions, Introduction to graph theory.

MATH 108  
Discrete Mathematics  
(Ayrık Matematik)  

MATH 109  
Basic Calculus  
(Temel Analiz)  

MATH 111  
Introduction to Calculus of One Variable  
(Tek Değişkenli Analize Giriş)  

MATH 112  
Introduction to Multivariable Calculus  
(Çok Değişkenli Analize Giriş)  

MATH 113  
Calculus I  
(Analiz I)  
MATH 114 (3+1+1) 4 Credits / 7 ECTS
Calculus II
(Analiz II)

MATH 202 (3+0+0) 3 Credits / 5 ECTS
Linear Algebra
(Lineer Cebir)
Systems of Linear Equations, Matrices, Determinants, Euclidean and General Vector Spaces, Eigenvalues and Eigenvectors, Inner Product Spaces.

MATH 203 (3+0+0) 3 Credits / 5 ECTS
Linear Algebra and Differential Equations
(Lineer Cebir ve Türevsel Denklemler)

MATH 204 (3+0+0) 3 Credits / 5 ECTS
Vector and Complex Calculus
(Vektör ve Kompleks Analiz)

MATH 207 (3+0+0) 3 Credits / 6 ECTS
Analytic Geometry
(Analitik Geometri)

MATH 210 (0+0+4) 2 Credits / 4 ECTS
Numerical Methods in Engineering
(Mühendislikte Sayısal Yöntemler)
MATH 211  
(4+0+0) 4 Credits / 7 ECTS
Advanced Calculus I  
(İleri Analiz I)

MATH 212  
(4+0+0) 4 Credits / 7 ECTS
Advanced Calculus II  
(İleri Analiz II)

MATH 221  
(3+0+0) 3 Credits / 6 ECTS
Linear Algebra I  
(Lineer Cebir I)
Matrices and Linear Equations, Determinants, Vector Spaces, Linear Transformations.

MATH 222  
(3+0+0) 3 Credits / 6 ECTS
Linear Algebra II  
(Lineer Cebir II)
Eigenvalues and Eigenvectors, Elementary Canonical Forms, The Rational and Jordan Forms, Inner Product Spaces, Operators on Inner Product Spaces, Bilinear Forms.

MATH 230  
(3+0+0) 3 Credits / 6 ECTS
Introduction to Probability Theory  
(Olasılık Teorisine Giriş)

MATH 232  
(3+0+0) 3 Credits / 6 ECTS
Introduction to Statistics  
(İstatistik’e Giriş)

MATH 233  
(3+1+0) 3 Credits / 5 ECTS
Statistics for Social Sciences  
(Sosyal Bilimler için İstatistik)
MATH 240 (3+0+0) 3 Credits / 6 ECTS
Introduction to Probability and Statistics for Engineering
(Mühendislik için Olasılık ve İstatistğe Giriş)
Basic concepts of probability, Discrete and continuous random variables, their probability distributions, expected value, variance. Discrete probability distributions, Jointly distributed and independent Random Variables. Covariance and correlation. Sampling, estimation. Hypothesis Testing, Regression and ANOVA.

MATH 242 (3+0+0) 3 Credits / 6 ECTS
Differential Equations
(Diferansiyel Denklemler)

MATH 313 (4+0+0) 4 Credits / 7 ECTS
Real Analysis
(Reel Analiz)
Cauchy sequences, metric spaces, open and closed sets, completeness, continuity, compactness, uniform convergence, connectedness, Banach Fixed Point Theorem, Baire’s Theorem.

MATH 314 (4+0+0) 4 Credits / 7 ECTS
Complex Analysis
(Kompleks Analiz)
Algebra of Complex numbers; Polar and spherical representations; Functions of Complex variable: Limits, continuity, analyticity; Caucy- Riemann equations; Elementary complex functions: mapping by elementary functions; linear fractional transformations; Line integral; Cauchy’s theorem: Cauchy integral formula; Laurent series; Residue Theorem; Improper integrals.

MATH 321 (3+1+0) 3 Credits / 7 ECTS
Abstract Algebra I
(Soyut Cebir I)

MATH 322 (3+1+0) 3 Credits / 7 ECTS
Abstract Algebra II
(Soyut Cebir II)
MATH 331 (3+0+0) 3 Credits / 6 ECTS
Data Analytics (Veri Analizi)

MATH 352 (3+0+0) 3 Credits / 6 ECTS
Numerical Methods (Sayısal Yöntemler)
Introduction: conditioning, stability; Systems of Linear Equations; Linear Least Squares; Eigenvalue Problems; Nonlinear Equations; Interpolation; Numerical Integration and Differentiation.

MATH 401 (3+0+0) 3 Credits / 6 ECTS
Graph Theory (Çizge Teorisi)

MATH 402 (3+0+0) 3 Credits / 6 ECTS
Number Theory (Sayılar Teorisi)

MATH 408 (3+0+0) 3 Credits / 6 ECTS
Game Theory (Oyun Teorisi)

MATH 409 (3+0+0) 3 Credits / 6 ECTS
History of Mathematics (Matematik Tarihi)

MATH 411 (3+0+0) 3 Credits / 6 ECTS
Introduction to Functional Analysis (Fonksiyonel Analize Giriş)
MATH 435 (3+0+0) 3 Credits / 6 ECTS
Probability Theory (Olasılık Teorisi)

MATH 441 (3+0+0) 3 Credits / 6 ECTS
Partial Differential Equations (Kısmi Türevli Denklemler)
First order partial differential equations; Cauchy problem; Charpit’s method; Second order partial differential equations; Normal forms; Laplace, Poisson, Wave, and Heat equations; Separation Variables; Fourier series.

MATH 448 (3+0+0) 3 Credits / 6 ECTS
Dynamical Systems (Dinamik Sistemler)

MATH 450 (3+0+0) 3 Credits / 6 ECTS
Numerical Solutions of Differential Equations (Diferansiyel Denklemlerin Sayısal Çözümleri)
Numerical Solutions of ODEs: Initial Value Problems (linear multistep methods, Runge-Kutta methods); Boundary Value Problems for ODEs; Numerical Solutions of PDEs (hyperbolic, parabolic, elliptic PDEs): the shooting method, finite difference methods, finite element method (optional).

MATH 462 (3+0+0) 3 Credits / 6 ECTS
Differential Geometry (Diferansiyel Geometri)
Euclidean spaces and differential forms, frames, calculus on surfaces. Shape operators. Geodesics. Gaussian and mean curvatures.

MATH 464 (3+0+0) 3 Credits / 6 ECTS
Introduction to Algebraic Geometry (Cebirsel Geometriye Giriş)
MATH 471  
Topology  
(Topoloji)

MATH 491  
Senior Project  
(Bitirme Projesi)
Design and development of a project for a mathematics problem under the supervision of an academic advisor; submission of the results in the form of a project report and oral presentation.
DEPARTMENT OF PSYCHOLOGY

Chair
Assoc. Prof. İlgin Gökler Danışman

Academic Staff

* Research Assistant

Undergraduate Program in Psychology

Psychology, as a science, has been changed dramatically in the past few decades evolving into a complex discipline with a broad range of sub-disciplines and specialties. However, understanding of psychology and psychologist has not changed so much in public mostly referring and restricted to clinical psychologist whose specialization is on mental health problems and psychotherapy. Therefore the definition of psychology is now more important than ever. “Psychology is the study of the mental states and processes in order to understand the basic mechanisms and functions of perception, cognition, emotion, and behavior both at individual and social levels.” Since psychology covers a broad set of subjects that overlap with a number of disciplines from biological to social it is an interdisciplinary and integrated science.

Our program incorporates this new integrated and interdisciplinary science vision of psychology that enhance our research and instructional potential as well as opportunities that we offer to our students. In our curriculum, psychology students gain an advance understanding of subfields and also a strong scientific and research basis and related skills that prepare them both for practicing their knowledge and skills in a variety of professional contexts and for their graduate work in psychology and other related disciplines.

Program Outcomes

Students graduating from TEDU Department of Psychology will:

1. Have basic knowledge of psychological concepts, theories and methods in a comparative way and use this knowledge at different levels
2. Compare and contrast the psychology with other disciplines including identifying the potential contribution and limitation of psychology to interdisciplinary collaboration
3. Demonstrate psychological literacy in interpersonal and social problems
4. Be able to use analytical, critical and innovative thinking both to generate and interpret questions and hypothesis from psychological knowledge base
5. Achieve the knowledge in line with his/her purpose using the printed and electronic sources and evaluate both reliability of sources and suitability of information.
6. Take responsibility and initiative to create improvements and to generate solutions to the problems in professional domain.
7. Have basic measurement, assessment and interview skills to function in professional domain
8. Design and conduct basic psychology research in its all steps (data collection, data analysis, reporting etc.)
9. Keep curiosity and interest in his/her professional development and engage in life-long learning
10. Follow psychology literature and be able to share it using written and verbal communication skills both in Turkish and in English
11. Treat others with civility respecting for differences of individual (age, gender, ethnic identity, religion and sexual orientation) and cultural.
12. Be able to use required softwares, techniques and instruments in education, measurement, assessment and data analysis.
13. Be attentive to social and scientific values and professional codes of ethical conduct in all of his/her academic and professional activities.

Undergraduate Curriculum

Semester 1

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**Totals expected for graduation** 122 16 2 130 240
## Courses with Pre-requisites

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Undergraduate Course Descriptions

PSY 102  
General Psychology  
(General Psychology)  
An overview of human behavior and mind including the nervous system, consciousness, learning, memory, development, emotion, psychopathology, society, and culture.  
Pre-requisites: None

PSY 104  
Psychology  
(Psikoloji)  
Definition of psychology and major areas of psychology (social, clinical, educational psychology, etc.); biological foundations of psychology; sensation and perception; growth and development; learning; memory; intelligence; personality and personality theories; abnormal behaviors; motivation; emotions; social influences on individuals.  
Pre-requisites: None (This course is offered as non-departmental elective)

PSY 200  
Selected Topics in Psychology  
(Psikolojide Seçme Konular)  
To introduce the students contemporary study or application fields of Psychology.  
Pre-requisite: PSY 102 or PSY 104

PSY 202  
History of Psychology  
(Psikoloji Tarihi)  
Philosophical roots of psychology as a scientific discipline. Social and economic factors influencing paradigm shifts in psychology. General aspects of psychophysics, structuralism, functionalism, behaviorism, Gestalt psychology, psychoanalysis, cognitive psychology, and biological psychology. Minorities in psychology. Future prospects of psychology as a scientific discipline.  
Pre-requisite: PSY 102

PSY 203  
Research Methods I  
(Araştırma Yöntemleri I)  
Theoretical knowledge of research methods and techniques in psychology, hypothesizing and sampling.  
Pre-requisite: PSY 102 or PSY 104
PSY 204
Research Methods II
(Araştırma Yöntemleri II)
Correlational and experimental designs. Issues related to control, reliability and validity in designing research. Basic issues in analyzing research results. Writing a research report.
Pre-requisite: PSY 203

PSY 206
Applied Research and Data Analysis
(Uygulamalı Araştırma ve Veri analizi)
Describing and exploring data with R, multiple comparisons tests (factorial, multivariate, and repeated-measures ANOVA), correlation and linear regression, multiple linear regression, logistic regression.
Pre-requisite: MATH 233

PSY 207
Effective Writing in Psychology
(Psikolojide Etkili Yazım)
Pre-requisite: ENG 102

PSY 217
Experimental Psychology
(Deneysel Psikoloji)
An introduction to theoretical and experimental issues associated with sensory and perceptual experience. Theories and research, including behavioral and cognitive perspectives, and such topics as classical conditioning, operant conditioning, and social learning.
Pre-requisite: PSY 102 or PSY 104

PSY 221
Life-Span Development I
(Yaşam Boyu Gelişim I)
Principals and theories of life-span development. Physical, cognitive and socio-emotional development from prenatal period to adolescence with current research findings.
Pre-requisite: PSY 102 or PSY 104

PSY 222
Life-Span Development II
(Yaşam Boyu Gelişim II)
Physical, cognitive and socio-emotional development from adolescence to death based on life-span perspective.
Pre-requisite: PSY 221
PSY 232  
Social Psychology  
(Sosyal Psikoloji)  
The major topics and theoretical approaches of social psychology; persuasion and influence, attraction, friendship and helping others, aggression, attitude, motivation and prejudice.  
Pre-requisite: PSY 102 or PSY 104

PSY 240  
Traumatic Stress  
(Travmatik Stres)  
Introduction to the field of “trauma psychology”. Causes and consequences of traumatic stress. Psychosocial impacts of traumatic incidents such as natural or human-caused disasters, violence and abuse and life-threatening illnesses. Psychosocial interventions following disasters.  
Pre-requisite: PSY 102 or PSY 104

PSY 303  
Health Psychology  
(Sağlık Psikolojisi)  
Examine how biological, psychological, and social factors interact with and affect promoting good health and preventing illness, how effectively people cope with and reduce stress and pain, and recovery, rehabilitation, and psychosocial adjustment of patients with serious health problems.  
Pre-requisite: PSY 102 or PSY 104

PSY 308  
Testing and Measurement in Psychology  
(Psikolojide Test ve Ölçme)  
The basic concepts related with measurement and testing and applications with certain measurement tools.  
Pre-requisite: PSY 102 or PSY 104

PSY 310  
Cognitive Psychology  
(Bilişsel Psikoloji)  
Pre-requisite: PSY 102 or PSY 104

PSY 312  
Biopsychology  
(Biyopsikoloji)  
Pre-requisite: PSY 102
PSY 313  (3+0+0) 3 Credits / 6 ECTS
Evolutionary Psychology
(Evrimsel Psikoloji)
Historical foundations, principals and research approaches of evolutionary psychology. Evolutionary psychological explanations for key psychological concepts such as cognition, emotion, bonding, parenting, group behavior, abnormal behaviors and culture from a comparative perspective. Proximate and ultimate causes underlying behaviors and cognitive skills.
Pre-requisite: PSY 102

PSY 314  (3+0+0) 3 Credits / 6 ECTS
Human Memory
(İnsan Belleği)
Basic processes in human memory. Topics include interference theory, the short-term/long term memory distinction, semantic memory, working memory, sensory memory, autobiographical memory, amnesia, and implicit memory.
Pre-requisite: PSY 102 or PSY 104

PSY 315  (3+0+0) 3 Credits / 6 ECTS
Psychopharmacology
(Psikofarmakoloji)
Principles of pharmacology. Endogenous neuroactive substances produced in the body and in the brain. Chemicals that are used in a therapeutic context to treat psychological disorders. Chemicals with psychotropic effects. Abused chemicals.
Pre-requisite: PSY 102 and PSY 312

PSY 316  (3+0+0) 3 Credits / 6 ECTS
Learning and Behavior
(Öğrenme ve Davranış)
Pre-requisite: PSY 102

PSY 317  (3+0+0) 3 Credits / 6 ECTS
Sensation and Perception
(Duyum ve Algı)
Pre-requisite: PSY 102

PSY 331  (3+0+0) 3 Credits / 6 ECTS
Industrial and Organizational Psychology
(Endüstri ve Örgüt Psikolojisi)
Definition and history of I/O Psychology, job analysis, job performance, job satisfaction and personnel selection.
Pre-requisite: PSY 102 or PSY 104
PSY 333 (3+0+0) 3 Credits / 6 ECTS
Intergroup Relations
(Gruplar Arası İlişkiler)
Providing an overview of the extant literature on intergroup relations; identifying broad range of topics, including various approaches on stereotyping, prejudice, discrimination, inequality, collective action, and intergroup conflict; applying intergroup concepts on social problems.
Pre-requisite: PSY 232 or PSY 104

PSY 334 (3+0+0) 3 Credits / 6 ECTS
Motivation and Emotion
(Motivasyon ve Duygu)
An overview of modern motivational theories and how they explain human cognition, affect, and behavior.
Pre-requisites: PSY 102, PSY 104

PSY 337 (3+0+0) 3 Credits / 6 ECTS
Psychological, Social & Cultural Aspects of Disabilities
(Engelin Psikolojik Sosyal ve Kültürel Yönleri)
Psychological, sociological, and cultural perspectives in relation to the disability issue. Topics are theories and models related to disability, attitudes, adjustment, gender or sexuality with real life examples and case studies.
Pre-requisite: PSY 102 or PSY 104

PSY 338 (3+0+0) 3 Credits / 6 ECTS
Close Relationships
(Yakın İlişkiler)
Culture and relationships. Evolution and relationships. Neuroscience and relationships. Prosocial behavior, social support, child maltreatment, relational mobility, relational models, grief, perceived partner responsiveness, attachment. Core relationship principles.
Pre-requisite: PSY 232

PSY 340 (3+0+0) 3 Credits / 6 ECTS
Family Systems
(Aile Sistemleri)
Understanding of the family systems from a psychological framework with a particular focus on Systems Approach and Family Development Theory. Basic concepts and assumptions of Family Systems Theory. Stages of the family life cycle and patterns, processes and dynamics in each of these stages.
Pre-requisite: PSY 102 or PSY 104

PSY 341 (3+0+0) 3 Credits / 7 ECTS
Theories of Personality
(Kişilik Kuramları)
Major personality theories, including psychoanalytic and learning theorists, trait theorists, social-learning theorists and humanists. Measurement and assessment of personality.
Pre-requisite: PSY 102 or PSY 104
PSY 342  
Psychopathology  
(Psikopatoloji)  
Distinguishes between normal behavior and psychological disorders such as stress disorders, anxiety problems and depression, schizophrenia, and addictive behaviors. Causes and treatments of psychological problems and disorders.  
Pre-requisite: PSY 102

PSY 343  
Clinical Psychology  
(Klinik Psikoloji)  
Assessment of psychopathology, and approaches to the treatment of abnormal behavior. Emphasis is on current theory, research, issues in, and the role of clinical psychology in contemporary society.  
Pre-requisite: PSY 102

PSY 400  
Independent Study  
(Bireysel Çalışma)  
Conducting a research project by applying following steps: literature review, forming hypothesis, designing the proposed study, analyzing its results and writing a formal paper.  
Pre-requisite: PSY 102 or 104, Consent of the Course Instructor.

PSY 401  
Introduction to Traffic Psychology  
(Trafik Psikolojisine Giriş)  
Cognitive processes such as perception, attention, learning, memory, decision making and action control which are drawn upon when driving and how these processes are used and influenced in driving skill.  
Pre-requisite: PSY 102 or PSY 104

PSY 402  
Graduation Paper and Seminar  
(Mezuniyet Projesi ve Seminer)  
Undertake an independent research. Gain and demonstrate proficiency in a strand of literature chosen by the student in collaboration with an advisor. Writing an analytical research paper. Presentation in written and oral form.  
Pre-requisites: PSY 204 and MATH 232

PSY 404  
Forensic Psychology  
(Adli Psikoloji)  
Understanding of the roles and responsibilities of mental health professionals within the justice system. Potential ethical challenges, as well as limits of privilege and confidentiality, police psychology and interrogation, decision making; and eyewitness testimony and false memories.  
Pre-requisite: PSY 102 or PSY 104
PSY 412  (3+0+0) 3 Credits / 6 ECTS
Special Topics in Autobiographical Memory
(Otobiyografik Bellekte Özel Konular)
A detailed study of major theories in the area of autobiographical memory. Topics covered include functions of autobiographical memory, retrieval processes in autobiographical memory, memory and trauma, culture and autobiographical memory.
Pre-requisite: PSY 102 or PSY 104

PSY 413  (3+0+0) 3 Credits / 6 ECTS
Current Topics in Cognitive Psychology
(Bilişsel Psikolojide Çağdaş Konular)
A topical course which focuses on issues in cognitive psychology such as memory, judgment and decision making.
Pre-requisite: PSY 102

PSY 421  (3+0+0) 3 Credits / 6 ECTS
Cognitive Development
(Bilişsel Gelişim)
Basic concepts, theories, and experimental methods of cognitive development; critical experiments on developmental changes in perception, representation and memory.
Pre-requisites: PSY 102 and PSY 221

PSY 424  (3+0+0) 3 Credits / 6 ECTS
Parenting and Child Development
(Ana Babalık ve Çocuk Gelişimi)
Theoretical approaches to parenting, parent-child relations and the effects of parental behaviors in different developmental stages and cultural contexts.
Pre-requisite: PSY 102 or PSY 104

PSY 431  (3+0+0) 3 Credits / 6 ECTS
Self and Culture
(Benlik ve Kültür)
Influential theories of self-formation and functioning especially with respect to how the theories handle social interaction, culture and communication.
Pre-requisite: PSY 102 or PSY 104

PSY 432  (2+2+0) 3 Credits / 6 ECTS
Applied Social Psychology
(Uygulamalı Sosyal Psikoloji)
Research methods used in applied social psychology. Planning and assessment of a research project/experiment.
Pre-requisite: PSY 232

PSY 434  (3+0+0) 3 Credits / 6 ECTS
Human Motivation
(İnsanda Motivasyon)
Social-personality approaches to motivation with particular focus on goal-based and need-based theories.
Pre-requisite: PSY 102 or PSY 104
PSY 442   
Developmental Psychopathology  
(Gelişimsel Psikopatoloji)  
Examination of emotional and behavioral problems during the life span with an emphasize on childhood and adolescence using a developmentally orientated perspective as a theoretical framework.  
Pre-requisite: PSY 102

PSY 445   
Selected Topics in Clinical Psychology  
(Klinik Psikolojide Seçme Konular)  
A topical course which focuses on issues in clinical psychology.  
Pre-requisite: PSY 102

PSY 446   
Interview Techniques  
(Görüşme Teknikleri)  
The basic elements of interview process used in psychology, especially in clinical psychology.  
Pre-requisite: PSY 102

PSY 447   
Clinical Testing and Assessment  
(Klinik Testler ve Değerlendirme)  
A basic understanding of test instrument utilization in psychology practice and ethical testing standards. Designed to help familiarize students with the types of tests used, their usefulness and how to interpret the test results.  
Pre-requisite: PSY 102

PSY 448   
Trauma Psychology  
(Travma Psikolojisi)  
Introduction to “trauma psychology” as a rapidly developing field. Causes and consequences of traumatic stress following various types of traumatic incidents such as natural or human-caused disasters, violence and abuse and life-threatening illnesses.  
Pre-requisite: PSY 102 or PSY 104

PSY 460   
Ethics in Psychology  
(Psikolojide Etik)  
Examination and discussion the value of empirical evidence, tolerance of ambiguity, ethical behaviors and standards. Principles and regulations in the fields of psychology and acquisition of ethical behavior in clinical and research settings.  
Pre-requisite: PSY 102 or PSY 104
DEPARTMENT OF SOCIOLOGY

Chair
Prof. Kezban Çelik

Academic Staff
Prof. Kezban Çelik, Asst. Prof. Aylin Çakıroğlu Çevik, Özge Kızıl*, Gülçin Con**

* Research Assistant
** Part Time

Undergraduate Program in Sociology

Sociology, in its most classical terms, is the science of society. It takes group behaviours, social structures (like gender, race and ethnicity), social institutions (such as education, religion and economics) as its object of study. Apart from these macro structures, seemingly the most mundane, personal or unimportant issues can also be sociology’s objects of study, as they cannot be exempted from the social. Sociology always asks the “how” and “why” questions about these research topics. It shows that the most simple, basic and natural phenomena are actually socially constructed. Perhaps, these are times that we need sociology the most; because, everyday people witness in their everyday life increasing global conflicts, economic inequalities and environmental degradation. Sociology is an important discipline to understand and explain these macro changes, and possible changes that they create on individuals, groups and societies that experience them.

21st century labour market is changing very quickly in terms of being increasingly competitive, global and technologically driven. In this sense, expectations of the market from individuals has been expanding and varying. In this environment, the skills expected from individuals include creativity, innovative thinking, team-work and cooperation, communication skills, critical thinking, analytical problem solving, and advanced writing-presentation skills. TEDU Sociology, with English as its language of instruction and the equal importance it lays on theory and method, its liberal arts approach which offers students a wide range of courses from different disciplines, opportunity to pursue a secondary field and/or participate in the Erasmus Programme, is very capable of helping you acquire and develop skills in these areas.

Program Outcomes

Students graduating from TEDU Department of Sociology will:

1. Have basic knowledge of sociological concepts, theories and methods in a comparative way and use this knowledge at different levels.
2. Have knowledge and applications of sociological methods and applications.
3. Identify the sociology of science among other branches of science and its relations with other disciplines, and recognize mutual contributions and limitations.
4. Provides interdisciplinary knowledge of national and global issues that concern different societies.
5. From sociology knowledge accumulation can produce questions and hypotheses through analytical, critical and creative thinking, evaluate research findings.
6. Achieve the knowledge in line with his/her purpose using the printed and electronic sources and evaluate both reliability of sources and suitability of information.

7. Take responsibility and initiative to create improvements and to generate solutions to the problems in professional domain.

8. Have basic measurement, assessment and interview skills to function in professional domain.

9. Learn, analyze and explain the bases of qualitative and quantitative data collection methods.

10. Keep curiosity and interest in his/her professional development and engage in lifelong learning.

11. Follow sociology literature and be able to share it using written and verbal communication skills both in Turkish and in English.

12. Treat others with civility respecting for differences of individual (age, gender, ethnic identity, religion and sexual orientation) and cultural.

13. Be able to use required software, techniques and instruments in educational, measurement, assessment and data analysis.

14. Be attentive to social and scientific values and professional codes of ethical conduct in all of his/her academic and professional activities.

Undergraduate Curriculum

Semester 1

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Undergraduate Course Descriptions

SOC 101 (3+0+0) 3 Credits / 5 ECTS
Introduction to Sociology I
(Sosyolojiye Giriş I)
An introduction to the organizing themes and ideas, empirical concerns, and analytical approaches of
the discipline of sociology.
Pre-requisites: None

SOC 104 (3+0+0) 3 Credits / 5 ECTS
Introduction to Sociology II
(Sosyolojiye Giriş II)
The course focuses on both classical and contemporary views of modern society, on the nature of
community, and on inequality, with special attention to class, race, and gender.
Pre-requisite: SOC 101

SOC 201 (2+2+0) 3 Credits / 7 ECTS
Research Methods I
(Araştırma Yöntemleri I)
This course aims at providing the student with the basic tools of conducting research and writing papers
in sociology. Throughout this course, students will gain experience by carrying out their own quantitative
and qualitative research project.
Pre-requisites: SOC 101, SOC 104

SOC 202 (2+2+0) 3 Credits / 8 ECTS
Research Methods II
(Araştırma Yöntemleri II)
This course aims at providing the student with the basic tools of conducting research and writing papers
in sociology. Throughout this course, students will gain experience by carrying out their own quantitative
and qualitative research project.
Pre-requisite: SOC 201

SOC 203 (3+0+0) 3 Credits / 6 ECTS
Sociological Theories I: Classics
(Sosyoloji Teorileri: Klasik I)
An introduction to the study of the development of sociology as a discipline in the 19th and early 20th
centuries.
Pre-requisites: SOC 101, SOC 104

SOC 204 (3+0+0) 3 Credits / 6 ECTS
Sociological Theories II: Classics
(Sosyoloji Teorileri: Klasik II)
A survey of the ideas of the major sociological theories of the 20th century, including Functionalism, Conflict
Theory, Symbolic Interactionism, Ethnomethodology, Neo Marxism, Structuralism and Postmodernism.
Pre-requisites: SOC 101, SOC 104
SOC 207 (3+0+0) 3 Credits / 6 ECTS
Qualitative Data Analysis
(Niceliksel Veri Analizi)
Hypothesis testing. Simple and multiple linear regressions. Correlation analysis. Elementary design of experiments.
Pre-requisites: SOC 101, SOC 104

SOC 210 (3+0+0) 3 Credits / 6 ECTS
Sociology of Family
(Aile Sosyolojisi)
This course examines the family as a social institution: the structure and types of family; economic, social and reproductive functions of the family; changing role of the family and social change; sexual division of labor within family; domestic labor; reproduction; patriarchy; child labor; kinship.
Pre-requisites: SOC 101, SOC 104 or SOC 103

SOC 211 (3+0+0) 3 Credits / 6 ECTS
Sociology of Education
(Eğitim Sosyolojisi)
This course introduces students to the sociology of education: the role of education in reinforcing or challenging social inequality, the effects of class, race/ethnicity and gender on educational experiences, the organization of educational institutions.
Pre-requisites: SOC 101, SOC 104 or SOC 103

SOC 212 (3+0+0) 3 Credits / 6 ECTS
Religion and Society
(Din ve Toplum)
This course introduces students to the sociology of religion: the different conceptualizations and definitions of religion, theoretical approaches to the role and function of religion in society, the relationship between religion and belief, secularization, ritual and modernity.
Pre-requisite: SOC 101 or SOC 103

SOC 220 (3+0+0) 3 Credits / 6 ECTS
New Media and Communication Studies
(Yeni Medya ve İletişim Çalışmaları)
This course provides an examination of mass communication theories with an emphasis on new social media. It includes discussions on the mass media of communication and their role as social institutions; content, audience and the effect of mass media, the functions of communications and new media in the formation of public opinion, social and cultural values.
Pre-requisite: SOC 101 or SOC 103

SOC 221 (3+0+0) 3 Credits / 6 ECTS
Economics and Society
(İktisat ve Toplum)
This course provides an introduction to economic sociology. It examines economy as a social process and provides an analysis of how the interplay of economy and society can help us to understand questions of efficiency, questions of fairness, and questions of democracy.
Pre-requisite: SOC 101 or SOC 103
SOC 222 (3+0+0) 3 Credits / 6 ECTS
Migration in a Globalized World (Küreselleşen Dünyada Göç)
This course covers the different forms, causes and consequences of international migration, with a particular attention to the impact of globalization including, the regulation of international migration by authorities at different levels, immigrant incorporation, assimilation in various social fields, including the labour market, education, politics and religion.
Pre-requisite: SOC 101 or SOC 103

SOC 223 (3+0+0) 3 Credits / 6 ECTS
New Social Movements (Yeni Toplumsal Hareketler)
This course provides an examination of social movements and collective actions; theoretical perspectives in the analysis of social movements and collective actions, collective behaviour; resource mobilization; political process; and new social movements; feminist, environmental, anti-nuclear, anti-globalization movements.
Pre-requisite: SOC 101 or SOC 103

SOC 224 (2+2+0) 3 Credits / 6 ECTS
Social Anthropology (Sosyal Antropoloji)
This course examines some of the central conceptual and methodological issues in social anthropology. Theories of culture and social structure; examination of major human institutions (kinship, economic, political and religious) in cross-cultural perspective.
Pre-requisites: SOC 101, SOC 104

SOC 301 (3+0+0) 3 Credits / 6 ECTS
Sociological Theories: Contemporary Sociology (Sosyoloji Teorileri: Çağdaş)
This course aims to acquaint students with the main schools of modern sociological theory. Students will scrutinize salient concepts and key thinkers. They will learn how sociological theory is relevant to understanding modern life.
Pre-requisite: SOC 203

SOC 302 (2+2+0) 3 Credits / 6 ECTS
Development of Sociology in Turkey (Türkiye’de Sosyolojinin Gelişimi)
A survey of the development of sociological thinking in Turkey from the late 19th to the early 21st centuries: Major figures and texts; main theoretical perspectives, topics, themes, and problems; major traditions, orientations, and politics in the development of sociological thought in Turkey.
Pre-requisites: SOC 101, SOC 104
SOC 303  (3+0+0) 3 Credits / 6 ECTS
Demography and Society
(Demografi ve Toplum)
This course focuses on the examination of major studies on the social causes and consequences of
demographic processes.
Pre-requisite: SOC 104

SOC 304  (3+0+0) 3 Credits / 6 ECTS
Urban Sociology
(Kent Sosyolojisi)
This course offers an introduction to a wide range of topics associated with urban sociology. Sociologists
study social organization and culture of cities and their surrounding regions.
Pre-requisites: SOC 101, SOC 104

SOC 310  (3+0+0) 3 Credits / 6 ECTS
Welfare and Social Policy
(Refah ve Sosyal Politika)
This course surveys the history, theory and application of welfare services and social policy services.
Social policy and its effect on welfare and equality is examined with respect to ethnicity, gender, religion
and education.
Pre-requisites: SOC 101, SOC 104 or SOC 103

SOC 311  (3+0+0) 3 Credits / 6 ECTS
Youth Sociology
(Gençlik Sosyolojisi)
This course will explore the social and cultural construction of youth in contemporary societies. Major
themes will include: cultural and legal socialization of youth, crime and deviance, health and sexuality,
employment and educational outcomes, and political behavior/civic engagement.
Pre-requisites: SOC 101, SOC 104 or SOC 103

SOC 312  (3+0+0) 3 Credits / 6 ECTS
Sociology of Secularity
(Sekülerlik Sosyolojisi)
This course examines secularity, different manifestations of secularity; secular social and political
movements, secularization, the meaning of secularity, everyday life and secularity, gender, ethnicity and
secularity.
Pre-requisite: SOC 212

SOC 320  (3+0+0) 3 Credits / 6 ECTS
Cultural Turn and Consumption
(Kültürel Dönüş ve Tütetim)
An examination of sociology of consumption in light of the cultural turn, with emphasis on the micro-
interactions of everyday life and larger-scale social patterns and trends. Consumption and economic
and political systems, social categorization, group membership, identity, stratification and social status.
Pre-requisites: SOC 101, SOC 104 or SOC 103
SOC 321 (3+0+0) 3 Credits / 6 ECTS
Sociology of Old Age
(Yaşlılık Sosyolojisi)
This course examines aging from a sociological perspective covering the prominent sociological theories in the field of aging. The social construction of old age and experiences of ageing, discrimination against the old, old age and gender.
Pre-requisites: SOC 101, SOC 104, or SOC 103

SOC 322 (3+0+0) 3 Credits / 6 ECTS
Globalization and Multiculturalism
(Küreselleşme ve Çok Kültürlülük)
This course examines the main concepts and issues regarding globalization and multiculturalism, including culture, ethnic identity, national grouping, multicultural civic society, nation state and globalization, citizenship and multiculturalism, essentialism and multiculturalism, gender and multiculturalism.
Pre-requisites: SOC 101, SOC 104 or SOC 103

SOC 323 (3+0+0) 3 Credits / 6 ECTS
Social Change
(Toplumsal Değişme)
Examination of the content and context of major theories of social change and development. Evaluation of the relevance of these theories to historical experience in different world regions.
Pre-requisites: SOC 304, SOC 301

SOC 401 (3+2+0) 4 Credits / 8 ECTS
Graduation Project and Seminar I
(Araştırma Projesi ve Seminer I)
The project will be based in a research context chosen by the student within which the project is developed, executed and evaluated. Students will become familiar with current trends in qualitative research methodologies.
Pre-requisites: SOC 201, SOC 203

SOC 402 (3+2+0) 3 Credits / 8 ECTS
Graduation Project and Seminar II
(Araştırma Projesi ve Seminer II)
The project will be based in a research context chosen by the student within which the project is developed, executed and evaluated. Students will become familiar with current trends in qualitative research methodologies.
Pre-requisites: SOC 201, SOC 203

SOC 403 (3+0+0) 3 Credits / 6 ECTS
Social Inequality and Mobility
(Toplumsal Eşitsizlikler ve Hareketlilik)
This course reviews contemporary approaches to understanding social inequality and mobility and the processes by which it comes to be seen as legitimate, natural, or desirable.
Pre-requisites: SOC 203, SOC 204
SOC 404 (2+2+0) 3 Credits / 6 ECTS
Sociology of Work
(Çalışma Sosyolojisi)
A social structural approach to the study of organizations emphasizing such issues as the role of technology in determining organizational structure; interrelations between size, complexity and formalization in organizational networks; impact of large-scale organizations on the structure of modern societies.
Pre-requisites: SOC 104, SOC 203

SOC 405 (3+0+0) 3 Credits / 6 ECTS
Advanced Qualitative Data Analysis
(İleri Niteliksel Veri Analizi)
The course provides an introduction to the use of qualitative data analysis, an overview of the basic functions of qualitative (such as Maxqda) technique and program and how it can be utilized in qualitative social research.
Pre-requisites: SOC 201, SOC 207, SOC 202

SOC 410 (3+0+0) 3 Credits / 6 ECTS
Poverty, New Poverty and The Precariat
(Yoksulluk, Yeni Yoksulluk ve Prekarya)
This course examines poverty from a sociological perspective in light of the recent developments in the field; the emergence of the precariat and conceptualizations of new poverty.
Pre-requisites: SOC 101, SOC 104, or SOC 103

SOC 411 (3+0+0) 3 Credits / 6 ECTS
Labour, Employment and Gender
(Emek, Çalışma ve Toplumsal Cinsiyet)
This course provides sociological perspectives on the effects of gender on labour, work and employment. With an emphasis on gender, it introduces theoretical perspectives on inequality; social class at work; women in the labour market; gender and its relation to race and ethnicity, occupational segregation; immigrant employment; trade unions.
Pre-requisites: SOC 101, SOC 104, or SOC 103

SOC 413 (2+2+0) 3 Credits / 6 ECTS
Medicalisation and Health Sociology
(Medikalizasyon ve Sağlık Sosyolojisi)
An examination of the sociology of health and medicalization. Key thematic areas of inquiry include: medicine as an institution; power; the social, political and cultural parameters that shape health and illness experiences and health inequalities; mental health/illness, disability, gender and reproductive technologies, pharmaceuticals.
Pre-requisites: SOC 103, SOC 104
SOC 414 (3+0+0) 3 Credits / 6 ECTS
The Social Structure of Turkey
(Türkiye’nin Toplumsal Yapısı)
This course provides an analysis of Turkey’s social structure with an emphasis on current issues related to social and cultural change in Turkey, and their relationship to world-wide phenomena.
Pre-requisites: SOC 103, SOC 104

SOC 415 (3+0+0) 3 Credits / 6 ECTS
Urban Ethnography
(Kent Etnografisi)
The course considers the role of ethnography on how we understand cities. We will look in detail at different types of ethnography and compare with other means of representing the city. Specific themes will cover the urban flâneur and ethnographer, street ethnography, culture of poverty and marginality; infrastructure and mobility; violence and slums.
Pre-requisites: SOC 304

SOC 420 (3+0+0) 3 Credits / 6 ECTS
Current Issues and Problems in Sociology
(Sosyolojide Güncel Konular ve Sorunlar)
This course examines some of the most prominent issues and problems in sociology.
Pre-requisite: SOC 301

SOC 421 (3+0+0) 3 Credits / 6 ECTS
Power, Inequality and Social Classes
(Güç, Eşitsizlik ve Toplumsal Sınıflar)
This course focuses on power, inequality and their relation to social classes. The goals of the course are to understand how inequality is conceptualized and measured in the social sciences, to understand the structure of inequality and to understand the forces that both produce and inhibit intergenerational social mobility.
Pre-requisites: SOC 103, SOC 104

SOC 422 (3+0+0) 3 Credits / 6 ECTS
Race and Ethnicity
(Irk ve Etnisite)
The course examines major topics, theoretical definitions/debates and approaches in the field of race and ethnicity, including the formation and dynamics of ethnic groups, the social construction of race in the contemporary World, the relationship of race and ethnicity with nations, state, class, minority groups, gender, power, and politics.
Pre-requisite: SOC 103

SOC 423 (2+2+0) 3 Credits / 6 ECTS
Gender and Sexuality
(Toplumsal Cinsiyet ve Cinsellik)
This course examines gender and sexuality in relation to modern societies, including our rapidly changing attitudes towards sex and our understanding of masculine, feminine and intersex identities, by relating the study of gender and sexuality to religion, class, ethnicity and family.
Pre-requisite: SOC 104
FACULTY OF ECONOMICS AND ADMINISTRATIVE SCIENCES

Dean’s Statement

At Faculty of Economics and Administrative Sciences (FEAS), you’ll gain deep knowledge about individuals, organizations, societies, and cultures to help solve the most pressing issues of the day. The Faculty houses three undergraduate programs, Business Administration, Economics, Political Science and International Relations to help you focus on your interests. Whatever program you choose, you’ll become a critical thinker, with a holistic perspective challenging the status quo.

The medium of instruction in all degree programs at FEAS is English. In line with the pedagogical goals of TED University, all programs incorporate interactive learning methods into their educational strategy. The employment of active learning techniques will bring about a significant shift in the learning process through enhanced student participation.

We invite you to passionate debates with your classmates and professors; unconventional classes that change the way you think; variety of multidisciplinary secondary fields you can choose and opportunities to encounter real-world issues and develop and propose cutting-edge solutions. This is what it means to study as an undergraduate at FEAS in TED University. You’ll receive a dynamic, well-rounded education that will prepare you for a career and for life.

This catalog will help you to explore our programs, courses through which you will get a better idea about our teaching philosophy

Prof. Aslıhan SALİH, Dean
DEPARTMENT OF BUSINESS ADMINISTRATION

Chair
Assoc. Prof. İbrahim Ünalmış

Academic Staff
Prof. Aslıhan Salih, Assoc. Prof. İbrahim Ünalmış, Prof. Şebnem Akipek Öcal, Asst. Prof. Burze Yaşar, Asst. Prof. İşıl Sevilay Yılmaz, Asst. Prof. Zafer Yılmaz, Dr. Can Armutlu, Ezgi Alp*, Gizem Çelik*, Öykü Yücel*

* Research Assistant

Undergraduate Program in Business Administration

TED University Business Administration Department provides students with skills necessary to evaluate and respond to economic, political, ethical, legal and regulatory aspects of an increasingly changing global business climate together with a sound business education built on strong theoretical foundations.

Students of the department develop a deep understanding of the complexity and multiplicity of management processes in competitive environments through their education based on a strong social sciences foundation and practical applications of management discipline.

Our graduates are expected to demonstrate competency in business knowledge, communication skills, innovative and critical thinking, personal and social responsibility and differentiate themselves in competitive business environments.

Program Outcomes

TED University Business Administration Program graduates are expected to achieve the following learning outcomes:

1. Demonstrate knowledge of major concepts, theories and applications in the area of business administration.
2. Manage business decision-making processes by using quantitative and qualitative tools and information technology.
3. Evaluate how economic, legal, political, social, technical and competitive forces (local, regional, global) impact business practice.
4. Use the English language proficiently in knowledge sharing and professional communication.
5. Develop quality documents and make presentations that exhibit competence in content, organization and clarity.
6. Articulate ways to turn situations and problems into business or personal opportunities.
7. Formulate solutions to complex problems individually and in interdisciplinary teams using creative thinking, team building and leadership skills.
8. Identify ethical issues in business administration and implement social, scientific and professional codes of ethical conduct.
9. Recognize and appreciate different cultures and respect individual and cultural differences.
10. Engage in lifelong learning and enrich personal, social, professional development by exploring interests in diverse disciplines.
11. Practice good working habits, time management, and self-discipline.
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<td>BA 400 Summer Practice II</td>
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<td>BA 420 Business Simulation and Strategik Decisions</td>
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<td>BA 422 Creativity and Entrepreneurship Experience</td>
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<td>BA 428 Marketing of Financial Product &amp; Service</td>
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<td>BA 462 New Product Development</td>
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<td>BA 466 Advertising</td>
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</table>
Undergraduate Course Descriptions

BA 110 (3+0+0) 3 Credits / 5 ECTS
Introduction to Business and Entrepreneurship
(İşletmeye ve Girişimciliğe Giriş)

BA 201 (3+0+0) 3 Credits / 6 ECTS
Fundamentals of Business
(İşletmeciliğin Temelleri)

BA 202 (3+0+0) 3 Credits / 6 ECTS
Management Science
(İşletmeciliğin Temelleri)
Pre-requisite: MATH102 or MATH112

BA 203 (3+0+0) 3 Credits / 6 ECTS
Financial Accounting
(Finansal Muhasebe)
Record keeping and reporting of financial statement information. Reporting and interpreting balance sheet, income statement, cash flow statement, and statement of shareholders’ equity

BA 204 (3+0+0) 3 Credits / 6 ECTS
Organizational Behavior
(Örgütsel Davranış)

BA 220 (3+0+0) 3 Credits / 6 ECTS
Fundamentals of Entrepreneurship
(Girişimciliğin Temelleri)
Principles of entrepreneurship, ecosystems, mentorship, networking, business ideation, Access to funding, business modeling.

BA 281 (3+0+0) 3 Credits / 6 ECTS
Turkish Tax System
(Türk Vergi Sistemi)
BA 282  
**Business Ethics**  
*(İşletme Etiği)*

Concept of business ethics at individual and organizational level. Ethical awareness. Business ethics’ impact on decision making processes and global economy. Conflict resolution models.

BA 300  
**Summer Practice I**  
*(Yaz Stajı I)*

Minimum 20 business days of summer internship that students are required to complete in order to gain work experience in economics.

BA 301  
**Principles of Marketing**  
*(Pazarlama İlkeleri)*


BA 302  
**Business Law**  
*(Ticaret Hukuku)*


BA 303  
**Managerial Accounting**  
*(Yönetim Muhasebesi)*

Pre-requisite: BA 203

BA 304  
**Corporate Finance**  
*(Şirketler Finansmanı)*

Pre-requisite: BA 202 or IE 222

BA 305  
**Production and Operations Management**  
*(Üretim ve Operasyonlar Yönetimi)*

Pre-requisite: BA 202
BA 322 (3+0+0) 3 Credits / 6 ECTS
New Enterprises (Yeni Girişimler)

BA 342 (3+0+0) 3 Credits / 6 ECTS
International Business (Uluslararası İşletmecilik)

BA 400 (1+0+0) 1 Credits / 2 ECTS
Summer Practice II (Yaz Stajı II)
Minimum 20 business days of internship at a company or institution during which students gain work experience in business administration. Preparing a report that compares the internship with previous internship(s).
Pre-requisite: BA 300

BA 401 (3+0+0) 3 Credits / 7 ECTS
Research Methods (Araştırma Yöntemleri)
Pre-requisites: Minimum senior standing

BA 402 (3+0+0) 3 Credits / 7 ECTS
Graduation Paper and Seminar (Mezuniyet Projesi ve Seminer)
Undertake an independent research. Gain and demonstrate proficiency in a strand of literature chosen by the student in collaboration with an advisor. Writing an analytical research paper. Presentation in written and oral form.
Pre-requisite: BA 401

BA 406 (3+0+0) 3 Credits / 6 ECTS
Market Data Analysis (Piyasa Veri Analizi)
Building fundamental understanding and monitoring skills for economic and financial market data. Use of major domestic and international economic and financial market data sources. Assessing international financial structure by analysing sovereign, FX, equity, commodity, and industry market data. Data handling and analysis in MS Excel.
Pre-requisite: BA 304
BA 407 (3+0+0) 3 Credits / 6 ECTS
Management Information Systems
(Yönetim Bilişim Sistemleri)

BA 411 (3+0+0) 3 Credits / 6 ECTS
Auditing and Financial Statement Analysis
(Denetim ve Finansal Tablolar Analizi)

BA 413 (3+0+0) 3 Credits / 6 ECTS
Valuation and Financial Statement Analysis
(Değerleme ve Finansal Tablolar Analizi)

BA 414 (3+0+0) 3 Credits / 6 ECTS
Financial Statements of Banking Sector
(Bankacılık Sektörü ve Temel Finansal Tablolar)
Interpretation of banking sector financial statements. Contents of financial statements. Accounting and finance based valuation analysis tools. Accounting standards. Accounting of basic banking transactions. Pre-requisite: BA 203

BA 415 (2+2+0) 3 Credits / 6 ECTS
Technology Development and Entrepreneurship
(Teknoloji Geliştirme ve Girişimcilik)

BA 420 (3+0+0) 3 Credits / 6 ECTS
Business Simulation and Strategic Decisions
(Yönetim Simülasyonu ve Stratejik Kararlar)
Decision making using knowledge of management, marketing, operations, finance, production, internal and external analysis, business simulation, strategy development, business scenarios, competition, team-work. Pre-requisites: BA 301 and BA 304 and BA 305
BA 421  (3+0+0) 3 Credits / 6 ECTS
**Strategic Management**  
(Yönetim Stratejileri)

Pre-requisite: BA 201

BA 422  (3+0+0) 3 Credits / 6 ECTS
**Creativity and Entrepreneurship Experience**  
(Yaratıcılık ve Girişimcilik Deneyimi)

Pre-requisite: BA 201

BA 423  (3+0+0) 3 Credits / 6 ECTS
**Women and Entrepreneurship**  
(Kadın ve Girişimcilik)


BA 424  (3+0+0 ) 3 Credits / 6 ECTS
**Investment Analysis**  
(Yatırım Analizi)

Pre-requisite: BA 304

BA 425  (3+0+0) 3 Credits / 6 ECTS
**Entrepreneurship in Turkey**  
(Türkiye’de Girişimcilik)


BA 427  (3+0+0) 3 Credits / 6 ECTS
**Global Economic and Financial Analysis**  
(Küresel Ekonomik ve Finansal Analiz)

The theory and policy of the contemporary global economics. Theories of international economics (i.e. on international trade, finance and growth). Latest empirical research and trends of economic development.
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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<td>BA 428</td>
<td>Marketing of Financial Product and Service</td>
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<td>(Finansal Ürün ve Hizmetlerin Pazarlaması)</td>
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<td>Pre-requisites: BA 301 and BA 305 and BA 304</td>
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<td>BA 430</td>
<td>Customer Development and Prototyping for Entrepreneurs</td>
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<td>(Girişimciler için Müşteri Geliştirme ve Prototiplendirme)</td>
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<td>BA 431</td>
<td>Financial Markets and Institutions</td>
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<td>(Finansal Piyasalar ve Kurumlar)</td>
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<td>Structure of financial markets and financial intermediaries. Central banking system. Monetary policy. Securities markets. Institutional investors such as investment banks, insurance companies and mutual funds.</td>
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<td>BA 432</td>
<td>Risk Management</td>
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<td>BA 434</td>
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<td>BA 441</td>
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<td>Pre-requisite: BA 304</td>
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BA 442 (3+0+0) 3 Credits / 6 ECTS
International Marketing
(Uluslararası Pazarlama)
Pre-requisite: BA 301

BA 443 (3+0+0) 3 Credits / 6 ECTS
Global Entrepreneurship
(Küresel Girişimcilik)

BA 444 (3+0+0) 3 Credits / 6 ECTS
Doing Business in EU
(AB’de İş Yapma)
European Union as a place to do business. Competition policy. Common external trade policies. Shared responsibilities of the EU and national governments for policies concerning financial services and investment.

BA 451 (3+0+0) 3 Credits / 6 ECTS
Human Resource Management
(İnsan Kaynakları Yönetimi)

BA 452 (3+0+0) 3 Credits / 6 ECTS
Managing and Leading
(Yönetim ve Liderlik)
Basic concepts of leadership. Motivation from the management perspective. Basic leadership and motivation theories. Applicability of these theories to management practices.

BA 453 (3+0+0) 3 Credits / 6 ECTS
Organization Theory
(Örgüt Teorisi)

BA 454 (3+0+0) 3 Credits / 6 ECTS
Mergers and Acquisitions
(Birleşme ve Satın Almalar)
Pre-requisite: BA 304
BA 457 (3+0+0) 3 Credits / 6 ECTS
Capital Markets: Theory and Practice
(Sermaye Piyasaları: Kuram ve Uygulama)

BA 461 (3+0+0) 3 Credits / 6 ECTS
Consumer Behavior
(Tüketici Davranışı)

BA 462 (3+0+0) 3 Credits / 6 ECTS
New Product Development
(Yeni Ürün Geliştirme)

BA 463 (3+0+0) 3 Credits / 6 ECTS
Marketing Research
(Pazarlama Araştırması)

BA 464 (3+0+0) 3 Credits / 6 ECTS
Brand Management
(Marka Yönetimi)
Brand and brand management. Brand management process. Factors affecting the brand management process. Sample brand management cases. Brand management plan. Pre-requisite: BA 301

BA 465 (3+0+0) 3 Credits / 6 ECTS
Social Media Marketing
(Sosyal Medya Pazarlama)
Social media marketing techniques. Consumer behavior in social media. Social media applications: Social networking sites, blogs, online communities, rapid sharing systems and podcasts. Pre-requisite: BA 301

BA 466 (3+0+0) 3 Credits / 6 ECTS
Advertising
(Reklamcılık)
BA 467 (3+0+0) 3 Credits / 6 ECTS
Retailing (Perakendecilik)
Pre-requisite: BA 301

BA 471 (3+0+0) 3 Credits / 6 ECTS
Cost Benefit Analysis (Fayda Maliyet Analizi)
Pre-requisite: BA 303

BA 472 (3+0+0) 3 Credits / 6 ECTS
Supply Chain Management (Tedarik Zinciri Yönetimi)
Pre-requisite: BA 305

BA 473 (3+0+0) 3 Credits / 6 ECTS
Project Management (Proje Yönetimi)

BA 474 (3+0+0) 3 Credits / 6 ECTS
Facilities Planning and Design (Tesis Planlama ve Tasarımı)
Pre-requisites: BA 202 and IE 232

BA 475 (3+0+0) 3 Credits / 6 ECTS
Innovation Management (Yenilik Yönetimi)

BA 476 (3+0+0) 3 Credits / 6 ECTS
Quality Management (Kalite Yönetimi)
Pre-requisite: BA 305
BA 477 (3+0+0) 3 Credits / 6 ECTS
Inventory Management
(Envanter Yönetimi)
Fundamental inventory planning. Control facilities in manufacturing and service firms. Inventory
classification methods. Basic deterministic and probabilistic inventory planning methods. Software
packages and computer-simulation games.
Pre-requisite: BA 305

BA 478 (3+0+0) 3 Credits / 6 ECTS
Operations Research
(Yöneylem Araştırması)
Pre-requisite: BA 202

BA 479 (3+0+0) 3 Credits / 6 ECTS
Decision Analysis
(Karar Analizi)
Decision elements. Quantitative decision making. Quantitative decision support systems and tools.
Pre-requisite: BA 202

BA 480 (3+0+0) 3 Credits / 6 ECTS
Contemporary Commercial Banking
(Çağdaş Ticari Bankacılık)
Contemporary commercial banking. Financial system and the role of banks. Main activities and services
of banks and tradeoffs in bank management. Causes and effects of banking crises. Rationale behind
heavy bank regulation and supervision. Digitalization trends in banking.

BA 482 (3+0+0) 3 Credits / 6 ECTS
Corporate Governance
(Kurumsal Yönetim)
Internal and external control systems within an organization. Managerial duties and responsibilities. The
role of boards. Aligning management and stakeholder interests. Corporate social responsibility.
Pre-requisite: BA 204

BA 490 (3+0+0) 3 Credits / 6 ECTS
Blockchain Applications for Financial Markets
(Finansal Piyasalar için Blockchain Uygulamaları)
Blockchain Technology. Applications of blockchain technology in finance. Blockchain technology and
monetary policy. Blockchain technology and regulations in financial markets.
Graduate Course Descriptions

BA 501 (3+0+0) 3 Credits / 7.5 ECTS
Game Theory (Oyun Kuramı)

BA 502 (3+0+0) 3 Credits / 7.5 ECTS
Business Law and Ethics (Ticaret Hukuku ve Etik)

BA 503 (3+0+0) 3 Credits / 7.5 ECTS
Financial and Managerial Accounting (Finans ve Yönetim Muhasebesi)

BA 504 (3+0+0) 3 Credits / 7.5 ECTS
Financial Management (Finans Yönetimi)

BA 506 (3+0+0) 3 Credits / 7.5 ECTS
Market Data Analysis (Piyasa Veri Analizi)
Building fundamental understanding and monitoring skills for economic and financial market data. Use of major domestic and international economic and financial market data sources. Assessing international financial structure by analysing sovereign, FX, equity, commodity, and industry market data. Data handling and analysis in MS Excel.

BA 507 (3+0+0) 3 Credits / 7.5 ECTS
Management Information Systems (Yönetim Bilişim Sistemleri)
BA 515  (2+2+0) 3 Credits / 7.5 ECTS
Technology Development and Entrepreneurship
(Teknoloji Geliştirme ve Girişimcilik)

BA 518  (3+0+0) 3 Credits / 7.5 ECTS
Managerial Accounting
(Yönetim Muhasebesi)

BA 520  (3+0+0) 3 Credits / 7.5 ECTS
Business Simulation and Strategic Decisions
(Yönetim Simülasyonu ve Stratejik Kararlar)
Decision making using knowledge of management, marketing, operations, finance, production, internal and external analysis, business simulation, strategy development, business scenarios, competition, team-work.

BA 521  (3+0+0) 3 Credits / 7.5 ECTS
Strategic Management
(Yönetim Stratejileri)

BA 522  (3+0+0) 3 Credits / 7.5 ECTS
Business Plan
(İş Planı)
Process of creating a business plan. Inter-dependency of marketing, finance, management and leadership, and systems and operations. Preparation of financial and supporting documents. Case studies.

BA 524  (3+0+0) 3 Credits / 7.5 ECTS
Investment and Feasibility Analysis
(Yatırım ve Fizibilite Analizi)
BA 526 (3+0+0) 3 Credits / 7.5 ECTS
New Enterprises (Yeni Girişimler)

BA 527 (3+0+0) 3 Credits / 7.5 ECTS
Global Economic and Financial Analysis (Küresel Ekonomik ve Finansal Analiz)
The theory and policy of the contemporary global economics. Theories of international economics (i.e. on international trade, finance and growth). Latest empirical research and trends of economic development. Case studies.

BA 528 (3+0+0) 3 Credits / 7.5 ECTS
Marketing of Financial Product and Service (Finansal Ürün ve Hizmetlerin Pazarlaması)

BA 530 (3+0+0) 3 Credits / 7.5 ECTS
Customer Development and Prototyping for Entrepreneurs (Girişimciler için Müşteri Geliştirme ve Prototiplendirme)

BA 531 (3+0+0) 3 Credits / 7.5 ECTS
Financial Markets and Institutions (Finansal Piyasalar ve Kurumlar)

BA 532 (3+0+0) 3 Credits / 7.5 ECTS
Risk Management (Risk Yönetimi)
Pre-requisites: BA 504
BA 539 (3+0+0) 3 Credits / 7.5 ECTS
Finance and Investment Management
(Finans ve Yatırım Yönetimi)

BA 557 (3+0+0) 3 Credits / 7.5 ECTS
Capital Markets: Theory and Practice
(Sermaye Piyasaları: Kuram ve Uygulama)

BA 558 (3+0+0) 3 Credits / 7.5 ECTS
Human Resource Management in Educational Institutions
(Eğitim Kurumlarında İnsan Kaynakları Yönetimi)

BA 559 (3+0+0) 3 Credits / 7.5 ECTS
Management and Leadership in Educational Institutions
(Eğitim Sektöründe Pazarlama Teknikleri)
Basic concepts of leadership. Motivation, decision making processes, group dynamics, conflict resolution, leadership and motivation theories from the management perspective. Application of these theories in educational institutions.

BA 568 (3+0+0) 3 Credits / 7.5 ECTS
Marketing Techniques in Educational Institutions
(Eğitim Sektöründe Pazarlama Teknikleri)

BA 573 (3+0+0) 3 Credits / 7.5 ECTS
Project Management
(Proje Yönetimi)
BA 575  (3+0+0) 3 Credits / 7.5 ECTS  
Innovation Management  
(Yenilik Yönetimi)  

BA 580  (3+0+0) 3 Credits / 7.5 ECTS  
Contemporary Commercial Banking  
(Çağdaş Ticari Bankacılık)  

BA 588  (3+0+0) 3 Credits / 7.5 ECTS  
Ethics in Educational Institutions  
(Eğitim Kurumlarında Etik)  
Concept of business ethics at individual and organizational level. Ethical awareness. Business ethics’ impact on decision making processes. Conflict resolution models.
DEPARTMENT OF ECONOMICS

Chair
Prof. Jülide Yıldırım Öcal

Academic Staff
Prof. Jülide Yıldırım Öcal, Prof. Ayça Tekin Koru, Prof. Nazire Nergiz Dinçer, Assoc. Prof. Semih Tümen, Asst. Prof. Sezer Yaşar, Asst. Prof. Tekin Köse, Ataman İçer*, Erdener Emin Eker*

* Research Assistant

Undergraduate Program in Economics

The world has become a global village with the expansion of international trade and investment. However, the most important development has been the technology revolution, which has accelerated globalization for the last three decades. Majoring in economics not only enables students to have a good grasp of economic theories, but also equips them with the knowledge to understand how the economic units function under technological revolution and the challenge of global competitiveness. In a global economic order where competitiveness means a matter of economic sustainability for countries and companies, how regional and national economies function has become an important part of economics teaching. The objective of the Department of Economics at TED University is to provide its undergraduate students with a multifaceted approach that integrates contemporary theoretical perspectives with applications so that they develop the necessary professional credentials to become eligible for any career development.

Program Outcomes

Students graduating from TEDU Department of Economics will:

1. Be able to apply their economic knowledge to a variety of problems and issues in a range of economic contexts,
2. Achieve the knowledge of testing and expressing economic cases and problems through quantitative and qualitative methods,
3. Be competent in informatics and communication technologies and to perform economic analysis through one of the softwares used in economics,
4. Acquire basic knowledge in economic related sciences and be able to participate in interdisciplinary studies,
5. Be able to evaluate, interpret and analyze developments in economics in terms of causality by using statistical and econometric tools and report the outcomes,
6. Develop a sense of responsibility in team work; self-discipline; good work habits and time management practices,
7. Prepare outputs such as reports, projects, presentation and articles in line with ethical rules and to implement social, scientific, and professional codes of ethical conduct,
8. Follow and evaluate the economics literature and to be able to contact his/her colleagues both in Turkish and in English,
9. Engage in life-long learning and enrich personal, social, professional development by exploring interests in diverse disciplines,
10. Understand the roles of institutions and organizations in the society and their effects on economic structure,

11. Acquire critical and analytical thinking ability.

12. Appreciate the plurality of and respect for differences of opinion, lifestyles, cultural practices and identities, use his expertise concerning social responsibility.

**Undergraduate Curriculum**

**Semester 1**

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Undergraduate Course Descriptions

ECON 101 (3+1+0) 4 Credits / 6 ECTS
Economics I
(Ekonomi I)

ECON 102 (3+1+0) 4 Credits / 6 ECTS
Economics II
(Ekonomi II)

ECON 110 (3+0+0) 3 Credits / 5 ECTS
Principles of Economics
(Ekonominin İlkeleri)

ECON 211 (3+1+0) 3 Credits / 6 ECTS
Microeconomics I
(Mikroekonomi I)
Pre-requisites: ECON 110 or ECON 101 and MATH 101 or MATH 111

ECON 212 (3+1+0) 3 Credits / 6 ECTS
Microeconomics II
(Mikroekonomi II)
Pre-requisite: ECON 211

ECON 221 (3+0+0) 3 Credits / 6 ECTS
Macroeconomics I
(Makroekonomi I)
Pre-requisite: ECON 102
ECON 222  (3+0+0) 3 Credits / 6 ECTS
Macroeconomics II
(Makroekonomi II)
Pre-requisite: ECON 221

ECON 300  (1+0+0) 1 Credits / 2 ECTS
Summer Practice I
(Yaz Staji I)
Minimum 20 business days of summer internship that students are required to complete in order to gain work experience in economics

ECON 301  (3+0+0) 3 Credits / 6 ECTS
Game Theory
(Oyun Kuramı)

ECON 303  (3+0+0) 3 Credits / 6 ECTS
Mathematical Economics
(Matematiksel Ekonomi)
Pre-requisite: MATH 102 or MATH 112

ECON 321  (3+0+0) 3 Credits / 6 ECTS
Advanced Macroeconomic Theory
(İleri Makroekonomi Teorisi)
Pre-requisite: ECON 222

ECON 322  (3+0+0) 3 Credits / 6 ECTS
Development Economics
(Kalkınma İktisadi)
ECON 331 (3+0+2) 4 Credits / 6 ECTS
Econometrics I
(Ekonometri I)
Pre-requisite: MATH 232

ECON 332 (3+0+2) 4 Credits / 6 ECTS
Econometrics II
(Ekonometri II)
Pre-requisite: ECON 331

ECON 341 (3+0+0) 3 Credits / 6 ECTS
International Economics I
(Uluslararası İktisat I)
Pre-requisite: ECON 212

ECON 342 (3+0+0) 3 Credits / 6 ECTS
International Economics II
(Uluslararası İktisat II)
Pre-requisite: ECON 221

ECON 351 (3+0+0) 3 Credits / 6 ECTS
Monetary Theory, Policy and Banking
(Para Teorisi, Politikası ve Bankacılık)
Basic models of money and monetary policy. An overview of central banking by giving emphasis on money supply process, the tools of monetary policy and the conduct of monetary policy. Analysis of the demand and supply of money. Monetary theory. Monetary transmission mechanisms and the role of expectations in Monetary policy.
Pre-requisite: ECON 221
ECON 352 (3+0+0) 3 Credits / 6 ECTS
Financial Economics and Financial Markets
(İktisat ve Finansal Marketler)
Conceptual understanding of finance. Asset pricing and modern portfolio theory. Insights into theoretical, empirical and practical issues concerning the operation of financial markets.

ECON 361 (3+0+0) 3 Credits / 6 ECTS
History of Economic Thought
(Ekonominin Düşünce Tarihi)
Contributions of leading economists and the relevance of their theories to later periods. Economic thinking of Smith, Mill, Hume, Marx, Malthus, and Keynes. The influence of economists on society. Analysis of the progress of the principles of economics from early to modern times.

ECON 371 (3+0+0) 3 Credits / 6 ECTS
Political Economy
(Politik Ekonomi)
Relationship between politics and economics in the international economy. Concepts and approaches from political science, economics, history and sociology for a broad introduction to current issues in political economy.

ECON 372 (3+0+0) 3 Credits / 6 ECTS
Environmental Economics
(Çevre Ekonomisi)
Pre-requisite: ECON 211

ECON 373 (3+0+0) 3 Credits / 6 ECTS
The Political Economy of European Integration
(Avrupa’nın Entegrasyonunun Politik İktisadi)

ECON 400 (1+0+0) 1 Credits / 2 ECTS
Summer Practice II
(Yaz Stajı II)
Minimum 20 business days of summer internship that students are required to complete in order to gain work experience in economics.
Pre-requisite: ECON 300

ECON 401 (3+0+0) 3 Credits / 7 ECTS
Research Methods
(Araştırma Yöntemleri)
Pre-requisite: MATH 232
ECON 402 (3+0+0) 3 Credits / 7 ECTS
Graduation Paper and Seminar
(Mezuniyet Projesi ve Seminer)
Undertake an independent research. Gain and demonstrate proficiency in a strand of literature chosen by the student in collaboration with an advisor. Writing an analytical research paper. Presentation in written and oral form.
Pre-requisite: ECON 401

ECON 403 (3+0+0) 3 Credits / 6 ECTS
Turkish and World Economy in the 20th Century
(20. Yüzyılda Türkiye ve Dünya Ekonomisi)
Pre-requisite: ECON 221

ECON 404 (3+0+0) 3 Credits / 6 ECTS
Turkish Economy
(Türkiye Ekonomisi)
Pre-requisite: ECON 221

ECON 405 (3+0+0) 3 Credits / 6 ECTS
Economic Policy Analysis
(Ekonomik Politika Analizi)
The role of economic analysis in the design, evaluation, and implementation of economic policy. The principles, practices and applications of applied welfare analysis. The basic theory of benefit-cost analysis (BCA) and its implementation. A framework of social welfare analysis to a variety of public policy questions such as health policy, the design of unemployment insurance, and regulatory policies.
Pre-requisite: ECON 212

ECON 406 (3+0+0) 3 Credits / 6 ECTS
Experimental Economics
(Deneysel İktisat)
Use of experiments to study individual and interactive (strategic) decision-making. Choice over risky alternatives, altruism and reciprocity, allocation and information aggregation in competitive markets. Cooperation and collusion, bidding in auctions, strategy in coordination.

ECON 407 (3+0+0) 3 Credits / 6 ECTS
Data Science for Social Scientists
(Sosyal Bilimciler için Veri Bilimi)
ECON 411 (3+0+0) 3 Credits / 6 ECTS
Agricultural Economics
(Tarımsal Ekonomi)
Economics of agricultural and food markets. Structure and organization of the agricultural industry. Application of basic principles of microeconomics and macroeconomics to agriculture. Role of agriculture in Turkey and the world.
Pre-requisite: ECON 212

ECON 412 (3+0+0) 3 Credits / 6 ECTS
Labor Economics
(Çalışma Ekonomisi)
Analysis of labor markets. Labor supply and labor demand. Determination of wages, conditions of work, the distribution of employment. Evaluation of labor market policy.
Pre-requisite: ECON 212

ECON 414 (3+0+0) 3 Credits / 6 ECTS
Industrial Economics
(Endüstriyel Ekonomi)
Firms' behavior in a market economy. Forms of state intervention in modern capitalist economics. The relationship between market structure, market behavior and market performance.
Pre-requisite: ECON 21

ECON 416 (3+0+0) 3 Credits / 6 ECTS
General Equilibrium and Welfare Economics
(Genel Denge ve Refah Ekonomisi)
Theory of general competitive equilibrium from modern mathematical points of view. Basic concepts in welfare economics allowing an understanding of important economic factors affecting the level of social welfare. Tools of applied welfare analysis.
Pre-requisite: ECON 212

ECON 420 (3+0+0) 3 Credits / 6 ECTS
Gender and Development
(Toplumsal Cinsiyet ve Kalkınma)

ECON 421 (3+0+0) 3 Credits / 6 ECTS
Economic Growth
(Ekonomik Büyüme)
Pre-requisite: ECON 222
ECON 422  (3+0+0) 3 Credits / 6 ECTS
Institutional Economics
(Kurumsal İktisat)

ECON 424  (3+0+0) 3 Credits / 6 ECTS
Gender, Trade and Poverty
(Cinsiyet, Ticaret ve Yoksulluk)

ECON 431  (3+0+0) 3 Credits / 6 ECTS
Applied Econometrics
(Uygulamalı Ekonometri)
A dual focus on econometric theory and hands-on experience working with economic data. Empirical investigation. Evaluation of econometric and other statistical evidence.
Pre-requisite: ECON 212

ECON 432  (3+0+0) 3 Credits / 6 ECTS
Time Series
(Zaman Serisi)
A variety of statistical models for time series. Main methods for analyzing these models. Correlogram and a sample spectrum. Moving average (MA), Autoregressive (AR), ARMA and ARIMA models. Forecasts for a variety of linear methods and models.
Pre-requisite: ECON 332

ECON 434  (3+0+0) 3 Credits / 6 ECTS
Panel Data Analysis
(Panell Veri Analizi)
Applied econometrics dealing with ‘panel’ or ‘longitudinal’ data sets. Specification, estimation, and inference in the context of models that include individual (firm, person, etc.) and/or time effects. Panel data estimators, instrumental variables estimators, and maximum likelihood estimation of limited dependent variable models.
Pre-requisite: ECON 332

ECON 441  (3+0+0) 3 Credits / 6 ECTS
Economics of Migration
(Göç Ekonomisi)
ECON 451  (3+0+0) 3 Credits / 6 ECTS
Fiscal Policy and Public Finance
(Maliye Politikası ve Kamu Maliyesi)

ECON 471  (3+0+0) 3 Credits / 6 ECTS
Economics of Energy
(Enerji Ekonomisi)
Economics of markets for various energy sources and their interactions with each other and with the rest of the economy. Government intervention in energy markets. Effects of price controls and regulation. Policy issues related to energy use, economic growth, and the environment.

ECON 472  (3+0+0) 3 Credits / 6 ECTS
Topics in Political Economy
(Politik Ekonomide Araştırma Konuları)
Theoretical models and empirical techniques used in political-economy literature. Recent research topics in political-economy. Formation of economic policy. Determinants of development. Effects of media.

ECON 481  (3+0+0) 3 Credits / 6 ECTS
Health Economics
(Sağlık Ekonomisi)

ECON 482  (3+0+0) 3 Credits / 6 ECTS
Health Policy
(Sağlık Politikası)
Conceptual and analytical approach to the process and contents of health policy making and implementation. Health policy, health care systems, and health care services. Analysis of the health care systems from economic, political and social perspectives. Welfare policies and their impact on health care system.

ECON 484  (3+0+0) 3 Credits / 6 ECTS
Economics of Conflict, War and Peace
(Anlaşmazlık, Savaş ve Barış Ekonomisi)
ECON 490  (3+0+0) 3 Credits / 6 ECTS
Economics of Discrimination  
(Ayrımcılık Ekonomisi)
Differences and discrimination associated with race, religion, gender or nation of birth. Employer and employee discrimination. Market discrimination. The indicators, causes and consequences of discrimination in economic markets. Econometrics to address discrimination issues.

ECON 491  (3+0+0) 3 Credits / 6 ECTS
Managerial Economics  
(İşletme Ekonomisi)

ECON 492  (3+0+0) 3 Credits / 6 ECTS
Economics of Regulation and Antitrust  
( Düzenleme ve Antitröst Ekonomisi)  
Role of government in the economy. Antitrust and regulations as forms of government interventions. The causes and results of intervention.

ECON 495  (3+0+0) 3 Credits / 6 ECTS
Economics of Education and Human Capital  
( Eğitim ve Beşeri Sermaye İktisadi)  
The basic theory of investment in human capital. The relation between human capital and economic growth/development. The fundamental link between innate ability, education, and labor market outcomes. The effect of vocational versus general education on labor market outcomes. Gender/racial gaps in educational outcomes and the theory of signalling. The role of school and teacher quality on educational outcomes. Main policy issues in the economics of education.
Pre-requisite: ECON 212

Graduate Course Descriptions

ECON 505  (3+0+0) 3 Credits / 7.5 ECTS
Economic Policy Analysis  
(Ekonomik Politika Analizi)  
The role of economic analysis in the design, evaluation, and implementation of economic policy. The principles, practices and applications of applied welfare analysis. The basic theory of benefit-cost analysis (BCA) and its implementation. A framework of social welfare analysis to a variety of public policy questions such as health policy, the design of unemployment insurance, and regulatory policies.
ECON 506 (3+0+0) 3 Credits / 7.5 ECTS
Experimental Economics and Finance
(Deneysel İktisat ve Finans)

ECON 511 (3+0+0) 3 Credits / 7.5 ECTS
Microeconomics
(Mikroekonomi)

ECON 521 (3+0+0) 3 Credits / 7.5 ECTS
Macroeconomics
(Makroekonomi)
Inter-temporal consumption-saving choice, growth model, exogenous growth, welfare theorems, labor supply, business cycles, unemployment, fiscal policy, monetary policy.

ECON 531 (3+0+0) 3 Credits / 7.5 ECTS
Econometrics
(Ekonometri)

ECON 532 (3+0+0) 3 Credits / 7.5 ECTS
Applied Econometrics
(Uygulamalı Ekonometri)
Pre-requisite: ECON 531

ECON 543 (3+0+0) 3 Credits / 7.5 ECTS
Multinational Corporations
(Çokuluslu Şirketler)
ECON 572 (3+0+0) 3 Credits / 7.5 ECTS
Topics in Political Economy
(Politik Ekonomide Araştırma Konuları)
Theoretical models and empirical techniques used in political-economy literature. Recent research topics in political-economy. Formation of economic policy. Determinants of development. Effects of media.

ECON 581 (3+0+0) 3 Credits / 7.5 ECTS
Health Economics
(Sağlık Ekonomisi)

ECON 591 (3+0+0) 3 Credits / 7.5 ECTS
Eğitim Ekonomisi
(Education Economics)

ECON 593 (3+0+0) 3 Credits / 7.5 ECTS
Eğitimde Politika Analizi
(Policy Analysis in Education)
Basic concepts in education policy. Effects of specific government policies on educational outcomes, practices and organizational structures. The role of economic analysis in the design, implementation and assessment of education policy.

ECON 595 (3+0+0) 3 Credits / 7.5 ECTS
Economics of Education and Human Capital
(Eğitim ve Beşeri Sermaye İktisadi)
The basic theory of investment in human capital. The relation between human capital and economic growth/development. The fundamental link between innate ability, education, and labor market outcomes. The effect of vocational versus general education on labor market outcomes. Gender/racial gaps in educational outcomes and the theory of signalling. The role of school and teacher quality on educational outcomes. Main policy issues in the economics of education.
DEPARTMENT OF POLITICAL SCIENCE AND INTERNATIONAL RELATIONS

Chair
Prof. Aylin Özman Erkman

Academic Staff
Prof. Aylin Özman Erkman, Prof. Zuhal Yeşilyurt Gündüz, Asst. Prof. Gülşen Seven, Asst. Prof. Kerem Kılıçdaroğlu, Bahar Oral Gündoğdu*, Çağla Lüleci Sula*, Emre Demir*

* Research Assistant

Undergraduate Program in Political Science and International Relations

The fields of Political Science and International Relations at present encompass wider issues, concerns and assumptions that go beyond their classical scope. Along with the conventional topics, today the disciplines deal with complex issues of political economy, business and trade, transnational relations, ethics, human rights, migration, gender, identity and global environmental risks. Thus, a critical understanding of social and political realities facing the global community increasingly requires an intellectual training based on cross-disciplinary accumulation of skills and knowledge. A cross-disciplinary perspective endows the students and researchers with a plurality of approaches necessary for the awareness of the broad range of social and political problems in a continuously changing global environment. In that regard, our program seeks to cultivate an in-depth understanding of political, economic, social and cultural aspects of the rapidly changing world. Our ultimate aim is to provide high quality education in Political Science and International Relations that enables our graduates to make significant contributions to the field both intellectually and professionally.

Program Outcomes

Political Science and International Relations Program graduates are expected to achieve the following learning outcomes:

1. Demonstrate knowledge of the main theories, ideas and concepts associated with Political Science and International Relations and apply theoretical and conceptual knowledge on topics of Political Science and International Relations.
2. Acquire an interdisciplinary perspective based on the synthesis of related disciplines (sociology, economics, psychology, law, history…).
3. Think critically and creatively, including the ability to formulate clear and logically coherent questions and arguments regarding local, national and global politics.
4. Make policy analysis regarding political and social developments individually and/or in interdisciplinary teams.
5. Acquire in-depth knowledge on research methods and academic ethics and use this knowledge in conducting theoretical and/or empirical research projects.
6. Identify ethical issues in local, domestic and international politics and implement social, scientific and professional codes of ethical conduct.
7. Identify and follow credible social science literature and develop skills to utilize diverse types of information sources.
8. Demonstrate high skills in oral and written communication both in Turkish and English and apply non-discriminative language.
9. Use a second foreign language (aside English) at an intermediate or high level of proficiency.
10. Appreciate the plurality of and respect for differences of opinion, lifestyles, cultural practices and identities.
11. Practice good working habits, time management and self-discipline with a strong vision of social responsibility.
12. Engage in life-long learning and enrich personal, social and professional development by exploring interests in diverse disciplines.

Undergraduate Curriculum

Semester 1

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**TOTAL 15 0 0 15 29**

**Totals expected for graduation 127 9 2 133 240**
Courses with Pre-requisites

<table>
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<tr>
<th>Course Name</th>
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<td>PSIR 214 Political Currents</td>
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<td>PSIR 266 Turkish Constitutional Law</td>
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<td>PSIR 292 International Relations Theory</td>
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<td>PSIR 400 Summer Practice II</td>
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<td>PSIR 401 Research Methods</td>
<td>MATH 233</td>
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<td>PSIR 402 Graduation Paper and Seminar</td>
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Undergraduate Course Descriptions

PSIR 110 (3+0+0) 3 Credits / 5 ECTS
Introduction to Political Studies
(Siyaset Çalışmalarına Giriş)
Introduction to the study of politics and its sub-divisions. Basic ideas, practices and actors. Analysis of political phenomena.

PSIR 118 (3+0+0) 3 Credits / 5 ECTS
Major Works in Political Cinema
(Politik Sinema - Temel Örnekler)
Social and political issues by means of films.

PSIR 213 (3+0+0) 3 Credits / 6 ECTS
Political Concepts and Processes
(Siyasal Kavramlar ve Süreçler)

PSIR 214 (3+0+0) 3 Credits / 6 ECTS
Political Currents
(Siyasal Akımlar)
Study of political currents and related movements. Nationalism, conservatism, liberalism, Marxism..., social democracy, anarchism, feminism, environmentalism.
Pre-requisite: PSIR 213
PSIR 216 (3+0+0) 3 Credits / 6 ECTS
Political Sociology
(Siyaset Sosyolojisi)

PSIR 221 (3+0+0) 3 Credits / 6 ECTS
Global Environmental Issues
(Global Çevre Sorunları)

PSIR 226 (3+0+0) 3 Credits / 6 ECTS
Cross National Perspectives on Women’s Movements
(Kadın Hareketi: Karşılaştırmalı Bir Perspektif)
Evolution and current state of women’s movements in different countries. Middle Eastern, North American, European, and Latin American cases.

PSIR 231 (3+0+0) 3 Credits / 6 ECTS
Ottoman State and Society I
(Osmanlı Devleti ve Toplumu I)
The political and socio-economic structure of the Ottoman Empire in the classical period. Administrative structure. Military structure. Foreign affairs.

PSIR 232 (3+0+0) 3 Credits / 6 ECTS
Ottoman State and Society II
(Osmanlı Devleti ve Toplumu II)
The political and socio-economic structure of the Ottoman Empire during the phases of stagnation and decline. Foundations of Ottoman decline. The transformation of administrative and military structures. Nationalist upheavals. Center- periphery relations. Foreign affairs.

PSIR 263 (3+0+0) 3 Credits / 6 ECTS
Fundamental Principles of Law
(Hukukun Temel İkeleri)
Basic concepts and principles of law. Law and social order. Sources of law and hierarchy of the sources. Characteristics of common law and the continental legal systems. Main branches of public and private law. Turkish judicial system. The application of norms and methods of interpretation.

PSIR 266 (3+0+0) 3 Credits / 6 ECTS
Turkish Constitutional Law
(Türk Anayasal Hukuku)
Constitutional developments in the Ottoman Empire and Turkish Republic. Ottoman constitutional movement during the 19th century. Comparative study of 1921, 1924, 1961 and 1982 Constitutions. Pre-requisite: PSIR 263
PSIR 271 (3+0+0) 3 Credits / 6 ECTS
Formation of Modern State
(Modern Devletin Oluşumu)
Origins, historical evolution and functions of the modern state. Liberal and Marxist theories of state.

PSIR 291 (3+0+0) 3 Credits / 6 ECTS
Global Politics
(Global Siyaset)

PSIR 292 (3+0+0) 3 Credits / 6 ECTS
International Relations Theory
(Uluslararası İlişkiler Kuramı)
Classical and critical theories of international relations. Idealism-liberalism, neo-liberalism, realism, Marxist, and neo-Marxist perspectives, constructivism, feminism, English School, postmodern approaches.
Pre-requisite: PSIR 291

PSIR 294 (3+0+0) 3 Credits / 6 ECTS
International Organizations
(Uluslararası Örgütler)
Institutional structures, policy making processes, and functions of international organizations.

PSIR 300 (1+0+0) 1 Credits / 2 ECTS
Summer Practice I
(Yaz Stajı I)
Minimum 20 business days of summer internship that students are required to complete in order to gain work experience in economics

PSIR 311 (3+0+0) 3 Credits / 6 ECTS
Critical Security Studies
(Eleştirel Güvenlik Çalışmaları)
The notion of security in the pre-cold war, cold war and post-cold war periods. Classical and critical approaches to security.

PSIR 323 (3+0+0) 3 Credits / 6 ECTS
Media and International Politics
(Medya ve Uluslararası Siyaset)
The role of media in international relations. Theories of media. Media-power relationship. Media as a means of governments and media as a means to resist governments.
PSIR 329 (3+0+0) 3 Credits / 6 ECTS
Decline of States in the Modern Age
(Modern Çağda Devletlerin Zayıflaması)
Statehood and state failure, political and economic causes of state failure, state failure and civil society, state reconstruction, alternatives to state reconstruction.

PSIR 330 (3+0+0) 3 Credits / 6 ECTS
Terrorism and Political Violence
(Terorizm ve Politik Şiddet)
Definitional problems related to terrorism, history of terrorism, religion and political violence, causes of terrorism, state versus non-state terrorism, counterterrorism and human rights.

PSIR 335 (3+0+0) 3 Credits / 6 ECTS
Formation of Modern Turkey
(Modern Türkiye’nin Oluşumu)
Social and political dynamics leading to the formation of modern Turkey. Ottoman modernization. Social and political developments during the early Republican era. Modernization. State and society relationship.

PSIR 336 (3+0+0) 3 Credits / 6 ECTS
Contemporary Turkish Politics
(Çağdaş Türkiye’de Siyaset)
Development of Turkish Politics from the transition to multi-party regime onwards. Democratization, political parties and participation. Social and political movements. Role of military in political processes. Ideologies. Identity politics.
Pre-requisite: PSIR 335

PSIR 341 (3+0+0) 3 Credits / 6 ECTS
Balkan History and Politics
(Balkan Tarihi ve Politikası)
Balkan politics and regional problems. Major political, social, and economic developments leading to the contemporary status of the Balkan states.

PSIR 344 (3+0+0) 3 Credits / 6 ECTS
Modern Russian Politics
(Modern Rusya’da Siyaset)

PSIR 346 (3+0+0) 3 Credits / 6 ECTS
German Politics and Foreign Policy
(Almanya’da Siyaset ve Dış Politika)
PSIR 347 (3+0+0) 3 Credits / 6 ECTS
Latin American Politics
(Latin Amerika’da Siyaset)
Political issues and conflicts in Latin America. Comparative analysis of economic and political structures of Latin American countries. Latin American political economy. Regional organizations and initiatives.

PSIR 351 (3+0+0) 3 Credits / 6 ECTS
History of Political Thought I
(Siyasal Düşünce Tarihi I)
Classical and medieval political thought. Political ideas of Socrates, Plato, Aristotle, Cicero, St. Augustine, St. Thomas Aquinas.

PSIR 352 (3+0+0) 3 Credits / 6 ECTS
History of Political Thought II
(Siyasal Düşünce Tarihi II)

PSIR 355 (3+0+0) 3 Credits / 6 ECTS
Social Theory
(Sosyal Teori)
Introduction to classical social theory through an analysis of the works of Karl Marx, Max Weber and Emile Durkheim.

PSIR 358 (3+0+0) 3 Credits / 6 ECTS
Political Economy of Identity
(Kimliğin Ekonomi Politiği)
Economic aspects of ethnic, religious, racist and gender based discriminations. Relationship between economic inequalities and identity claims.

PSIR 367 (3+0+0) 3 Credits / 6 ECTS
Public International Law
(Devletler Umumi Hukuku)

PSIR 368 (3+0+0) 3 Credits / 6 ECTS
Private International Law
(Devletler Özel Hukuku)
Introduction to Private International Law. Conflicts of law, rules of jurisdiction, law of aliens and nationality law. Analysis of the basic concepts and principles of Turkish law of nationality and aliens.
PSIR 374  (3+0+0) 3 Credits / 6 ECTS
Comparative Politics  (Karşılaştırmalı Siyaset)

PSIR 377  (3+0+0) 3 Credits / 6 ECTS
Social and Political Movements  (Toplumsal ve Siyasal Hareketler)
Origins, dynamics, and consequences of social and political movements. Approaches and theories of reform, revolution, and social movements. Study of historically important cases.

PSIR 381  (3+0+0) 3 Credits / 6 ECTS
Politics of the European Union  (Avrupa Birliği Siyaseti)
Historical development of the European Union (EU) and the political integration process. The EU’s institutional structure. Common EU policies. The EU enlargement processes. Major political issues: migration policies, democracy, identity, nationalism.

PSIR 384  (3+0+0) 3 Credits / 6 ECTS
Turkey - European Union Integration  (Türkiye - Avrupa Birliği Bütünleşmesi)
Turkey’s integration process with the European Union (EU). Historical background and legal aspects of Turkey-EU interface. EU enlargement and Turkey’s position. Debates on Turkey’s membership. Reflections of Turkey-EU relationship on domestic politics.

PSIR 387  (3+0+0) 3 Credits / 6 ECTS
South European Politics  (Güney Avrupa’da Siyaset)
Politics in Spain, Portugal, Greece and Italy with a view to political and economic transformations during the 19th and 20th centuries.

PSIR 392  (3+0+0) 3 Credits / 6 ECTS
Peace Studies and Conflict Resolution  (Barış Çalışmaları ve Çatışmaların Çözümlenmesi)
Main approaches, theories and models on peace and conflict.

PSIR 394  (3+0+0) 3 Credits / 6 ECTS
Diplomatic History  (Diplomasi Tarihi)
Introduction to the history of international politics. The emergence of the concept of diplomacy as an institutional phenomenon and its historical advance to our present day. Developments from 16th century onwards.
PSIR 395  
International Political Economy  
(Uluslararası Ekonomi Politik)  
(3+0+0) 3 Credits / 6 ECTS  

PSIR 398  
Critical Theories of International Relations  
(Eleştirel Uluslararası İlişkiler Kuramları)  
(3+0+0) 3 Credits / 6 ECTS  

PSIR 400  
Summer Practice II  
(Yaz Stajı II)  
(1+0+0) 1 Credits / 3 ECTS  
Minimum 10 business days of summer internship that students are required to complete in order to gain work experience in their major.  
Pre-requisites: PSIR 300

PSIR 401  
Research Methods  
(Araştırma Yöntemleri)  
(3+0+0) 3 Credits / 7 ECTS  
Pre-requisites: MATH 233

PSIR 402  
Graduation Paper and Seminar  
(Mezuniyet Projesi ve Seminer)  
(3+0+0) 3 Credits / 8 ECTS  
Undertake an independent research. Gain and demonstrate proficiency in a strand of literature chosen by the student in collaboration with an advisor. Writing an analytical research paper. Presentation in written and oral form.  
Pre-requisites: PSIR 401

PSIR 422  
Current Issues in World Politics  
(Dünya Siyasetinde Güncel Konular)  
(3+0+0) 3 Credits / 6 ECTS  
Regional and global issues in contemporary world politics.

PSIR 425  
Politics of Energy  
(Enerji Politikası)  
(3+0+0) 3 Credits / 6 ECTS  
PSIR 428 (3+0+0) 3 Credits / 6 ECTS
Ethnic Problems and Nationalism
(Etnik Sorunlar ve Milliyetçilik)
Ethnic and nationalist conflicts at the global level. Application of the theoretical models to various nationalist and ethnic movements. The relation between nation and nationalism. The functions of nationalism in the modernization process. The historical development of nationalism as an ideology and movement. The crisis of nation-state.

PSIR 429 (3+0+0) 3 Credits / 6 ECTS
Human Rights and World Politics
(İnsan Hakları ve Dünya Siyaseti)

PSIR 432 (3+0+0) 3 Credits / 6 ECTS
Themes in Turkish Political Thought
(Türkiye’de Siyasal Düşüncenin Temaları)
Political thought in Republican Turkey. Kemalist, nationalist, conservative, liberal, socialist, Islamic and feminist currents of thought with an emphasis on their main arguments and political projects.

PSIR 439 (3+0+0) 3 Credits / 6 ECTS
Turkish Foreign Policy
( Türk Dış Politikası)
Historical, economic, and political dynamics underlying the foreign policy making process. Turkish foreign policy preferences from 18th century to the present day.

PSIR 443 (3+0+0) 3 Credits / 6 ECTS
Modern Middle Eastern History
(Modern Orta Doğu Tarihi)
Introduction to the political history of the modern Middle East. Political developments from the late 18th century to the present. The Western penetration into the region. Modernization attempts and revolutions in the Ottoman Empire, Egypt and Iran. World War I and emergence of new nation-states. The Arab-Israeli conflict. The Kurdish question.

PSIR 444 (3+0+0) 3 Credits / 6 ECTS
Culture and Society in the Middle East
(Orta Doğu’da Kültür ve Toplum)
Middle Eastern societies and cultures. Gender, children, popular entertainment, humor and folk religion.

PSIR 447 (3+0+0) 3 Credits / 6 ECTS
Russian Foreign Policy
(Rus Dış Politikası)
Patterns of Russian foreign policy in the post-Cold War era. Soviet-Russian foreign policy from early mid-20th century to the present. Relations with the West, the former Soviet countries and NATO.
PSIR 449 (3+0+0) 3 Credits / 6 ECTS
American Politics and Foreign Policy
(Amerika'da Siyaset ve Dış Politika)
Political structure and foreign policy making process in United States (US). The distribution of power among the US political institutions. The political parties and the election system. The notion of national security state. US foreign policy making process and lobbies.

PSIR 453 (3+0+0) 3 Credits / 6 ECTS
Political Theory
(Siyaset Kuramı)
Political theory in 20th century. Liberalism, Marxism, post-Marxism, structuralism, post-structuralism, deconstructivism, and post-modernism.

PSIR 456 (3+0+0) 3 Credits / 6 ECTS
Ideology and Political Discourse
(Ideoloji ve Siyasal Söylem Analizi)

PSIR 458 (3+0+0) 3 Credits / 6 ECTS
Art and Politics
(Sanat ve Politika)
Inter-relationships between art and politics in 20th century. The role of art in the creation process of political messages, propaganda, and mass mobilization. Art as a mean of constructing social and political memory. State policies regarding art and art works in selected countries.

PSIR 459 (3+0+0) 3 Credits / 6 ECTS
Political Parties and Party Systems
(Siyasi Partiler ve Parti Sistemleri)

PSIR 461 (3+0+0) 3 Credits / 6 ECTS
Law of the European Union
(Avrupa Birliği Hukuku)
The European Union’s (EU) law and legal order. Sources of community law: the treaties, derived law, international law. Relationship of Community Law to national law. Law making process in EU. The limits of EU law. EU citizenship. Social and economic regulations.

PSIR 464 (3+0+0) 3 Credits / 6 ECTS
International Law of the Sea
(Uluslararası Deniz Hukuku)
Development and codification of international law of the sea. Analysis of internal waters, territorial sea, archipelagic waters, international straits, contiguous zone, continental shelf, exclusive economic zone, international sea bed, and high seas. Maritime delimitations. Marine security and peaceful settlement of international disputes relating to marine affairs.
PSIR 469 (3+0+0) 3 Credits / 6 ECTS
Politics of International Law
(Uluslararası Hukuk Siyaseti)
Interplay between politics and international law. The constitutive impact of international politics on the institution of international law. The role of international law on the structuration and expression of politics.

PSIR 476 (3+0+0) 3 Credits / 6 ECTS
Post-Colonial Studies
(Post-Koloniyal Çalışmalar)
Currents of thought that react to colonialism and Eurocentricism. Analysis of the works of Edward Said, Frantz Fanon, Gayatri Spivak and Homi Bhabha.

PSIR 491 (3+0+0) 3 Credits / 6 ECTS
Foreign Policy Analysis
(Dış Politika Analizi)
Foreign policy decision making processes. Political, social, economic, and psychological factors affecting the process. Decision making models. International crisis management.

PSIR 492 (3+0+0) 3 Credits / 6 ECTS
Ethics in International Relations
(Uluslararası Politikada Etik)
Ethical issues prevalent in international politics. The sources of morality and the guidelines for ethical judgment. Specific issue areas such as sovereignty, just war, and human rights. Cultural relativism. Public and private morality.

PSIR 499 (3+0+0) 3 Credits / 6 ECTS
Conferences, Models and Simulations
(Konferanslar, Modeller, Simülasyonlar)
Preparatory works to participate in various international conferences, and simulations. International organizations and diplomacy. Rhetoric and presentation techniques. Simulation rehearsals.
Dean’s Statement

Today, the development level of countries is assessed by how they prioritize education. It has been known that the professionals are the most important elements among the other factors that constitute to the quality of education.

TED University, Faculty of Education is founded upon the principles of 21st century education philosophy and student characteristics. The principal standards of TEDU’s teacher education programs and procedures are lifelong learning, national and international teaching competencies, individual differences, interdisciplinary studies, rich learning environments, authentic and performance assessments, social responsibility and cooperation, integrated learning, information and communication technologies.

Students enrolled before 2017-2018 academic year are offered program which includes common core subjects, consisting of courses in Math, Natural and Physical Sciences, Social Sciences, Humanities, and Fine Arts. Students enrolled 2018-2019 academic year are exposed to a new program prepared by Council of Higher Education for education faculties all over the country. One of our targets at TEDU is having students graduate with high level English proficiency. We provide our students with different scholarship opportunities. Our graduates start their career a step ahead of their colleagues as they graduate with more clinical and school experience.

Our faculty members bring national and international project grants on lifelong learning and teacher professional development. For instance, we have several projects supported by EU FP7 and TUBITAK. We want our students to assume roles in these projects as we believe this type of experience will help them graduate with rich and multifaceted experiences. In addition, we encourage our students to study in a European country for a limited time period through the EU’s ERASMUS program.

You are cordially invited to explore our diploma programs.

Prof. Yüksel KAVAK, Dean
EDU 101 (2+2+0) 3 Credits / 6 ECTS
Introduction to Education
(Eğitime Giriş)
Education systems in Turkey from early childhood through high school graduation. Introduction to professional development as a teacher, philosophical foundations of education, psychological orientations in teaching, social foundations of education and characteristics of learning environment. The roles, responsibilities and daily life of teachers, administrators, counselors, schools and students. 20 hours of field experience.

EDU 102 (2+2+0) 3 Credits / 6 ECTS
Instructional Principles and Methods
(Öğretim İlke ve Yöntemleri)
Basic concepts related to learning and teaching. Principles of learning and teaching. Designing the process of learning and teaching. The main components of teaching process (planning, learning and teaching process, assessment). Learning and teaching methods and techniques. Learning standards and teaching competencies

EDU 200 (1+4+0) 3 Credits / 6 ECTS
Observation in Schools
(Okullarda Gözlem)

EDU 201 (1+2+0) 2 Credits / 4 ECTS
School, Families and Society
(Okul, Aile ve Toplum)

EDU 202 (2+0+0) 2 Credits / 3 ECTS
Research Methods
(Bilimsel Araştırma Yöntemleri)
Nature of research (ways of investigating, importance and value of research). Foundations of research (research questions, variables, hypothesis, ethics, literature, population, sample, and instruments, validity and reliability, data collection and analysis, and discussion). Research types and methods. Writing research proposals and reports.
EDU 301 (2+2+0) 3 Credits / 5 ECTS
Curriculum Development in Guidance
(Rehberlikte Program Geliştirme)
Framework and process of the guidance programs in primary, secondary and higher education, time planning, using resources, creating and practicing activity and trial program samples.

EDU 302 (2+0+0) 2 Credits / 3 ECTS
Special Education and Inclusion
(Özel Eğitim ve Kaynaştırma)
Definition of special education, terms related to special education, causes of disabilities. Importance of early diagnosis and treatment. Inclusion and roles and responsibilities in inclusion. Types, characteristics, education of disabilities, and accommodations regarding these children in inclusive settings. Parentes of children with special needs and including parents into their children’s education. Special education programs and institutions in Turkey.

EDU 401 (1+2+0) 2 Credits / 3 ECTS
Community Service
(Topluma Hizmet Uygulamaları)
Definition and examples of community service in education. Importance of community service. Development and assessment of community service. Identifying and preparing projects to solve the current issues and problems of the society. Voluntary participation in social responsibility projects. Participation in scientific activities.

EDU 402 (2+2+0) 3 Credits / 6 ECTS
Guidance
(Rehberlik)
Brief history of guidance and psychological counseling. Basic concepts and principles of guidance and psychological counseling. School guidance services. Development of guidance and psychological counseling in Turkey.

EDU 404 (2+0+0) 2 Credits / 3 ECTS
Turkish Education System and School Management
(Türk Eğitim Sistemi ve Okul Yönetimi)
EDUC 101
Introduction to Education
(Eğitime Giriş)

EDUC 102
Educational Psychology
(Eğitim Psikolojisi)

EDUC 103
Educational Sociology
(Eğitim Sosyolojisi)
Basic concepts of sociology: society, social structure, social fact, social event etc.; pioneers of sociology (İbn Khaldun, A. Comte, K. Marx, E. Durkheim, M. Weber etc.) and their views on education; the relationship between the field of education and the major sociological theories (functionalism, structuralism, symbolic interactionism, conflict theory, critical theory, phenomenology, and ethnethodology); social processes (socialization, social stratification, social mobility etc.) and education; social institutions (family, religion, economy, politics) and education; the development of sociology and educational sociology in Turkey (Ziya Gökalp, İsmail Hakkı Baltacıoğlu, Nurettin Topçu, Mümtaz Turhan etc.); culture and education; school as a social, cultural, and moral system and community.

EDUC 104
Educational Philosophy
(Eğitim Felsefesi)
Basic concepts and problem areas of Philosophy; existence, knowledge, philosophy of ethics and education, basic philosophical trend (idealism, realism, naturalism, empiricism, rationalism, pragmatism, existentialism, analytical philosophy) and education; educational philosophy and education trends: Perennialism, essentialism, progressivism, existentialist education, critical/radical education; education views of some philosophers in Islamic world and in the West (Platon, Aristo, Socrates, J. Dewey, Avicenna, Al-Farabi, J.J. Rousseau etc.); human nature; individual differences and education; education in terms of some politic and economic ideologies; influential ideologies in Turkey during modernization process and education; philosophical foundation of Turkish education system.
EDUC 201
Instructional Principles and Methods
(Öğretim İlke ve Yöntemleri)
Concepts related to teaching principles and methods; teaching-learning principles, models, strategies, methods and techniques; identifying target and goal in education; content selection and organization in education; teaching materials; planning teaching and teaching plans; theories and approaches related to teaching; effective teaching in school, learning and success in learning; assessing in-class learning.

EDUC 202
Turkish Education History
(Türk Eğitim Tarihi)
The scope, method and sources of Turkish Education History. Education in first Turkish states. Education in first Muslim Turkish states. Education in Turkey Seljuks and Anatolian principalities Education in Ottoman Empire; education system till first attempts for innovation movements. Education system in Turkish states in 13rd-18th century located outside of Ottoman geography. Innovation movements in education in Ottoman Empire till the political reforms. Foundation of modern education from political reforms to republic. Organization of traditional education system. Education in other Turkish states and communities in Eurasian in 19th-20th centuries. Education during national struggle period. Foundations, structure, establishment and development of Turkish Education System. Teacher education process from past to present: common goals, language and alphabet unity, common history writing studies.

EDUC 203
Instructional Technologies
(Öğretim Teknolojileri)
Information technologies in education; teaching process and the classification of instructional technologies; theoretical approaches to instructional technologies; new trends in teaching approaches; current literacies; instructional technologies as a means and material; design of instructional technologies; thematic material preparation; object storage creation peculiar to subject area; evaluation criteria for teaching material.

EDUC 204
Research Methods in Education
(Eğitimde Araştırma Yöntemleri)
EDUC ELECTIVE COURSES

EDUC 250
Adult Education and Lifelong Learning
(Yetişkin Eğitim ve Hayat Boyu Öğrenme)
Definition and the scope of adult education; concepts related to adult education (continuing education, public education, informal education, vocational education etc.); historical development of adult education in Turkey; approaches and methods related to adult education; adults and learning; historical development, purpose and the scope of lifelong learning; lifelong learning practices in in Turkish education system.

EDUC 251
Open and Distance Education
(Açık ve Uzaktan Öğrenme)
Basic concepts and philosophy of open and distance education; development of distance education in the world; development of distance education in Turkey; learner and counsellor roles in distance education; technologies used in distance education; management of open and distance education; classroom management and its components in open and distance education; open education sources and trends in the world; mass open online courses; individualized learning settings; problems related to open and distance education and their solutions; open and distance education practices in teacher education; individualized teaching material development and student support services in open and distance education; specifying teaching strategies for different learning situations; research and evaluation in distance education.

EDUC 252
Child Psychology
(Çocuk Psikolojisi)
Basic concepts in child psychology; history of child psychology; main approaches/methods in child psychology; characteristics of different stages of development (Prenatal, Infancy, Early Childhood, Middle Childhood); child within family structure; child within school structure; adaptation and behavior problems in childhood; student with special needs.

EDUC 253
Attention Deficiency and Hyperactivity Disorders
(Dikkat Eksikliği ve Hiperaktivite Bozukluğu)
Definition and characteristics of attention deficiency of hyperactivity disorders; basic principles of attention deficiency of hyperactivity disorders (attention deficit, hyperactivity and impulsivity); the influence of attention deficiency and hyperactivity disorders on children in terms of social, emotional, and school success aspects; causes of attention deficiency and hyperactivity disorders; risk factors in the emergence of attention deficiency and hyperactivity disorders; types of attention deficiency and hyperactivity disorders; approaches to children who suffer from attention deficiency and hyperactivity disorders; guidance to students who suffer from attention deficiency and hyperactivity disorders; education of children who suffer from attention deficiency and hyperactivity disorders; school-family cooperation.
EDUC 254
Educational Law
(Eğitim Hukuku)
Basic concepts of law and administrative law; sources of administrative law; rights and duties in administration; Convention on the Rights of the Children and Human Rights Declaration; administrative and judicatory review of teachers; principles that base and regulate Turkish Education System; duties, rights and responsibilities of stakeholders in education.

EDUC 255
Educational Antropology
(Eğitim Antropolojisi)

EDUC 256
History of Education
(Eğitim Tarihi)
Education in ancient period (in Ancient Egypt, Mesopotamia, Anatolian, Indian, China, Ancient Greece and Rome civilizations). Education in Middle Age and New Age in the East, the West and Islamic communities. Renaissance, Reform, Enlightenment movements and education. Education in Industrial Age and Modern Age. The relationships of Islam culture and civilization with Western civilization. The emergence of nation states and development of national education systems. Post-modern society discussions and education. Basic changes and transformations that took place in education in the world from Ancient period to present.

EDUC 257
Drama in Education
(Eğitimde Drama)
Basic concepts of drama and creative drama (drama, creativeness, creative drama, play and theatre pedagogy, communication-interaction, role playing, improvisation, action, dramatic play, child theatre, puppet, pantomime etc.). Steps, dimensions and components of creative drama. Role playing and improvisation. History of creative drama. The relationship between social events and creative drama. Application steps of drama in education. Sources to be used in drama in education. Preparation and application of creative drama lesson plan. Contribution of drama to individual and social development.
EDUC 258  
Extracurricular Activities in Education  
(Eğitimde Program Dışı Etkinlikler)  
Formal education and extracurricular activities/hidden curriculum concepts in education; approaches to hidden curriculum; cognitive domain and affective domain learnings and hidden curriculum; school as a ritual environment; school ceremonies as extracurricular activities in the school; importance and the management of social, cultural, sportive and artistic activities in the school; the place and the importance of hidden curriculum in values education; extracurricular activities (commemorative ceremony, pageant, gathering, graduation etc.) in terms of values education.

EDUC 259  
Curriculum Development in Education  
(Eğitimde Program Geliştirme)  

EDUC 260  
Project Design in Education  
(Eğitimde Proje Hazırlama)  

EDUC 350  
Critical and Analytical Thinking  
(Eleştirel ve Analitik Düşünme)  
Basic concepts and definitions; brain as mental organ, types of thinking and classification of thinking; unintentional thinking and its characteristics; intentional thinking and its characteristics; methods for intentional thinking; critical and analytical thinking; basic characteristics and criteria of critical and analytical thinking; steps in critical and analytical thinking; factors affecting critical and analytical thinking; scope of critical and analytical thinking; critical and analytical reading; critical and analytical listening; critical and analytical writing.
EDUC 351
Inclusive Education
(Kapsayıcı Eğitim)

EDUC 352
Comparative Education
(Karşılaştırmalı Eğitim)

EDUC 353
Micro Teaching
(Mikro Öğretim)

EDUC 354
Museum Education
(Müze Eğitimi)
Definition and characteristics of museum, exhibition in museums; museum and museum education; types of museum; development of Turkish museology; A general overview of the history of museology in the world; the relationship between museum, art, culture and civilization; museum and art education; museum and society; the contribution of museums to historical awareness; protecting historical artifacts; modern museology in the world and Turkey.
EDUC 355
Out-of-School Learning Environments
(Okul Dışı Öğrenme Ortamları)
Out-of-school education and learning concepts; the scope and the importance of out-of-school learning; teaching in out-of-school environments; teaching methods and techniques appropriate for out-of-school learning environments (project-based learning, station technique etc.) and teaching materials; out-of-school learning environments (museums, science centers, zoos, botanical gardens, planetariums, industrial institutions, national parks, science festivals, science camps, natural environments etc.); improvement of out-of-school areas and environments; planning, practice and evaluation of out-of-school activities.

EDUC 356
Learning Disability
(Öğrenme Güçlüğü)
Definition, characteristics and classification of learning disability; Pedagogic, psychological, medical factors; its prevalence; causes of learning disability; early intervention; response to intervention model; diagnosis; medical, developmental and pedagogic diagnosis; academic and nonacademic characteristics; team and collaboration; education settings; practices having a scientific base; supporting reading, writing and mathematics skills; supporting nonacademic skills.

EDUC 357
Individualization and Adaptation of Teaching
(Öğretimi Bireyselleştirme ve Uyarlama)
The concept of individualization and its importance in education; things to do for individualization; evaluation based on curriculum; superficial evaluation; developing criteria-dependent assessment instrument; requirements for evaluation; specifying long-term and short-term teaching objectives; arrangements to do in classes and schools for inclusion/integration; teaching adaptation; individualization and adaptation examples in inclusion/integration classes.

EDUC 358
Sustainable Development and Education
(Sürdürülebilir Kalkınma ve Eğitim)
The concept of sustainability and its usage areas; sustainability in terms of social and physical sciences; sustainability in terms of social change; education and sustainability; future of humanity and sustainability; migration, poverty and inequality; sustainable environment; ecology, global environmental problems and sustainability; sustainable society in concordance with nature; population, economic system and natural habitat; technological developments; consumption habits and environment; social responsibility studies; sustainability in terms of concrete and intangible cultural heritage; readdressing human-nature relationships with regard to sustainability.
EDUC 359
Character and Values Education
(Karakter ve Değer Eğitimi)
Conceptual framework: character, personality, value, virtue, morals, temper, etc.; character development and character education; role of family, environment, and school in character development and character education; description and classification of values; sources of values and individual, social, cultural, religious, and moral foundations of values; approaches and practices in character and values education; intercultural differences and diversity in character and values education; character and values education in relation to educational philosophies; instructional methods/techniques in character and values education; value conflicts and values education in modern and multicultural societies; values education through humanitarian-cultural development process; examples of values education from the history of Turkish education and culture, research and practices in values education in Turkey; teacher as a role model in character and values education.

EDUC 360
Education of In-patient Children
(Hastanede Yatan Çocukların Eğitimi)
The development of in patient children- their needs, interests, psychology; the communication of hospital staff, child and the parents; preparation of life in hospital, diagnosis, treatment and readiness for the operation; preparing play, music, art, drama, maths activities for inpatient children; the communication of hospital schools and children with terminal diseases, their parents and the hospital staff.

GENC COMPULSORY COURSES

CMPE 103
Information Technologies
(Bilişim Teknolojileri)
Information technologies and information processing; problem solving concepts and approaches; algorithm and flow diagrams; computer systems; basic concepts related to software and hardware; basics of operating systems; recent operating systems; file management; utility programs (third party utilities); word processing programs; spreadsheet programs; presentation programs; desktop publishing; database management system; web design; use of internet in education; communication and cooperation technologies; safe internet use; information ethics and copyright law; the effects of computers and internet on children/the young.

GENC 101
Foreign Language I (English)
(Yabancı Dil I (İngilizce))
Present continuous tense; simple present tense; oral, reading, writing and listening skills in these tenses; oral skills (introducing herself, describing a thing/place, giving directions, question and answer patterns related to personal information); reading skills (reading a list or label, asking questions at a restaurant, on means of transportation like bus/train); reading skills (writing a short message, poster content, filling out a form); listening skills (giving directions, describing a place/person, etc.).
GENC 102
Foreign Language II (English)
(Yabancı Dil II (İngilizce))
Past tense; future tense; modals (can, could, may, must, etc.); speaking, reading, writing and listening skills in these tenses and modals; oral skills (asking questions at a restaurant, ordering food, etc.); reading skills (weather forecast on the internet, recipe, banner/poster content, etc.); writing skills (writing a short message, giving written directions, writing an e-mail/invitation, etc.); listening skills (weather forecast, recipe, etc.).

GENC 103
Foreign Language I (Spanish)
(Yabancı Dill (İspanyolca))
Present continuous tense; simple present tense; oral, reading, writing and listening skills in these tenses; oral skills (introducing herself, describing a thing/place, giving directions, question and answer patterns related to personal information); reading skills (reading a list or label, asking questions at a restaurant, on means of transportation like bus/train); reading skills (writing a short message, poster content, filling out a form); listening skills (giving directions, describing a place/person, etc.).

GENC 104
Foreign Language II (Spanish)
(Yabancı Dil I (İspanyolca))
Past tense; future tense; modals (can, could, may, must, etc.); speaking, reading, writing and listening skills in these tenses and modals; oral skills (asking questions at a restaurant, ordering food, etc.); reading skills (weather forecast on the internet, recipe, banner/poster content, etc.); writing skills (writing a short message, giving written directions, writing an e-mail/invitation, etc.); listening skills (weather forecast, recipe, etc.).

GENC 202
Community Services
(Topluma Hizmet Uygulamaları)
Concepts of society, community service and social responsibility; social responsibility projects in terms of social and cultural values; defining current social problems; designing projects to solve predetermined social problems; voluntarily participating in social responsibility projects either individually or in groups; participating in social responsibility projects in various institutions and organizations; participating in various institutions and organizations; participating in scientific activities like symposiums, congresses, conferences, panels as an audience, a presenter or an organizer, assess outcomes of social responsibility projects.
HIST 103
**History of Turkish Republic I**
*(Atatürk İ ilkeleri ve İ nkılap Tarihi I)*

Internal and external reasons for the collapse of the Ottoman Empire; XIX. Innovation movements in the Ottoman Empire in the 16th century; The idea movements in the last period of the Ottoman Empire; XX. At the beginning of the century the political and military situation of the Ottoman Empire; World War I and the Armenian question; Invasion and reactions of Anatolia; Mustafa Kemal Pasha’s departure to Samsun and his activities; congress period and organization; the opening of the last Ottoman Parliament and the adoption of the National Pact; Preparation for the National Struggle and the material and moral foundations of this preparation; The opening and activities of the TGNA; Treaty of Sevr; The struggles on the southern and eastern fronts; establishment of a regular army; Greek offensive and wars on the Western front; Signing of the Mudanya Negotiation; Convening the Lausanne Conference and signing the Peace Treaty.

HIST 104
**History of Turkish Republic II**
*(Atatürk İ ilkeleri ve İ nkılap Tarihi II)*

Political reforms (abolition of the Sultanate, proclamation of the Republic, abolition of the Caliphate, etc.); revolutions in the social field (hat revolution, closure of dervish lodges and lodges, calendar, time and surname law); reforms in the field of education and culture (Tevhid-i Tedrisat Law, Letters Revolution, Turkish History and Language Revolution); revolutions in the field of law; Attempts and reactions to transition to multi-party life in the period of Atatürk (the establishment and closure of Progressive Republican Firka, Sheikh Sait rebellion and assassination attempt to Atatürk); Attempts to transition to multi-party political life in the period of Atatürk (establishment of the Free Republican Party, closure and the Menemen Incident); Republican period, Turkey’s economic resources and policy (İzmir Economic Congress); Turkish foreign policy during the period of Atatürk (Population Exchange, membership of the League of Nations, Balkan Entente and Sadabat Pact); Atatürk era of Turkish foreign policy (Montreux Convention Regarding the Regime of the Straits, Hatay to join the motherland, Turkey’s bilateral relations with other countries); Definition, scope and principles of Atatürk’s thought system; After Atatürk’s Turkey, the ruling Democratic Party in the 1960s and 1970s in Turkey, Turkey’s foreign policy after 1960.

TUR 104
**Turkish II**
*(Türk Dili II)*

Characteristics of academic language and writing; using definitions, concepts and terms in academic writings; objective and subjective expression; the structure and types of academic texts (articles, reports and scientific abstracts etc); claiming, writing propositions (verifying an idea, defending or opposing); the formal characteristics of scientific reports and articles; the steps of writing reports; explanation, discussion, establishing relations between texts, showing references (citation and footnotes, bibliography); writing a title, summarization, writing keywords; ethical principles to be observed in scientific writings; academic text writing applications.
GENC ELECTIVE COURSES

GENC 250
Addiction and Struggling with Addiction
(Bağımlılık ve Bağımlılıkla Mücadele)
Basic concepts and definitions; types of addiction (substance addiction, technology addiction etc.);
reasons of addiction; risk factors which prepare the person for addiction in the family; peer group and
social context; communication skills in addicted children; adolescents and adults; the role of social work
in addiction; models related to addiction; effort to prevent addiction; consequences of addiction; national
policy and strategy methods for fight against addiction; reintegration process.

GENC 251
Nutrition and Health
(Beslenme ve Sağlık)
Natural and healthy nutrition; fight against obesity; food additives; healthy life and exercise; growth and
development; healthy sexual life; struggle with addiction (tobacco, alcohol, substance abuse etc.); traffic,
disaster and first aid.

GENC 252
History and Philosophy of Science
(Bilim Tarihi ve Felsefesi)
Science, philosophy, scientific method; Ancient Greece, Medieval Europe, Scholastic philosophy and
science; science and philosophy in Islamic cultural geography, science in Mesopotamia; science and
philosophy in Renaissance Europe; science and philosophy in the age of enlightenment; classification of
sciences; science, scientism, ideology; ethics and religious relations; science and paradigms; Vienna
and Frankfurt thought schools; the twentieth and the twenty-first century science criticism.

GENC 253
Science and Research Ethics
(Bilim ve Araştırma Etiği)
Science, the nature of science, its development and scientific research; the concept of ethics and ethical
theories; research and publication ethics; unethical behaviors and ethical violations in the research
process; ethical issues related to authorship and copyright; biased publication; editorship; arbitration
and ethics; ethics of broadcasting and unethical behaviors during publication process; legislation and
committees on research and publication ethics; ways to identify ethical violations; common research,
publishation ethics violations and methods to prevent them.

GENC 254
Economy and Entrepreneurship
(Ekonomi ve Girişimcilik)
Basic concepts of economics and economic systems; basic concepts of business and business
management; establishment, objectives and legal structure of the enterprise; management
processes and functions in enterprises; human and other resources management; entrepreneur and
entrepreneurship; entrepreneurship concepts; success factors in entrepreneurship, entrepreneurship
culture, entrepreneurship process and types of entrepreneurship; career planning, original ideas, extraordinary examples; Turkish Patent and Trademark Agency, Industrial Property Law; small and medium-sized enterprises; business idea development, innovation and business plan making, elements of business plan, writing and presentation; preparing a project about entrepreneurship in a specific field and subject.

GENC 255
Traditional Turkish Handcrafts
(Geleneksel Türk El Sanatları)
Terms and concepts related to traditional Turkish arts; the importance of traditional Turkish arts; contributions to the economy of the individual, society and county; historical development of Traditional Turkish arts (Huns, Gokturks, Uighurs, Seljuks Beyliks and Ottoman Period); Ahilik and Guild Organization; institutions and organizations related to Turkish arts in the Republican period; classification of traditional arts according to raw materials and production techniques; traditional weaving (carpet-rug, fabric etc.), printing, knitting, felt, glass (stained glass, housewares, beads etc.), arts; metal (iron, copper, silver and gold etc.) arts, wood (kündekari, carving and mother of pearl inlay) arts, tile-ceramic and stone processing arts, traditional Turkish arts education, production and marketing.

GENC 256
Human Rights and Democracy Education
(İnsan Hakları ve Demokrasi Eğitimi)
The concept and historical development of human rights; types of human rights; understanding of democrcacy; principles, approaches and human rights; democracy education and democratic education; family and democracy education; education as a human right; preschool education and democracy education; primary education curriculum and democracy education; democracy education in secondary education; higher education and democracy education; democratic school and classroom environment.

GENC 257
Human Relations and Communication
(İnsan İlişkileri ve İletişim)
Definition and classification of human relations; theoretical approaches to interpersonal relations (psychoanalytic, attachment, contemporary theories); theoretical approaches to interpersonal relations (social, psychological, cognitive theories); interpersonal relationships as a developmental process (infancy and childhood, adolescence and adulthood); factors affecting human relations; gender, gender roles and interpersonal relations; self-adaptation and self-disclosure in interpersonal relationships; communication and communication errors; effective communication skills; interpersonal problems; conflict and conflict resolution approaches; human relations in terms of intercultural differentiation.

GENC 258
Career Planning and Development
(Kariyer Planlama ve Geliştirme)
Career concept, career planning and stages; Individual career development, developing a personal career strategy; career planning model, career options related to teaching fields; preparing a curriculum vitae (CV) and types of résumé, CV format and examples, important points to keep in minds while
preparing a CV; writing cover letters for resumes introducing theirselves, promotional letters, methods and types of job interview preparation to job interview, and stages; situations that may be encountered in interviews; question types, body language signs.

GENC 350
Culture and Language
(Kültür ve Dil)
Basic concepts about language and culture; bases and components of culture; verbal and written culture; material and moral culture; individual and communal culture; connective and discriminative culture; acculturation, cultural expansion and harmony; cognitive, symbolic, structural-functiononal oriented culture; language as system of symbols; effects of culture on human conscious; relationship between culture, language, cognition and reality; language’s function of passing on knowledge and culture, forming social relations and communication; evolution and transfer of language and culture; national identity and culture; dynamics of changes in culture and language; discussions about mutual interactions of changes in culture and language; national cultures; globalization, multilingualism and multiculturalism.

GENC 351
Media Literacy
(Medya Okuryazarlığı)
Information literacy; responsible utilization of internet and social media; effects of social media on individuals; power of spreading information and deception; power of dissemination; management of media and perception; internet oriented legal rights and responsibilities; copyright; personal right; privacy of information; violation of privacy; linguistic performance on media; value of news and analysis of quality; popular culture; gender roles on media; consumption culture and advertisements; forming stereotypes on media.

GENC 352
Vocational English
(Mesleki İngilizce)
Reading, writing, speaking, listening skills; basic concepts of child development and stages; basic concepts on each level of education(primary and secondary); concepts of educational sciences; dialogue samples of student, teacher and parent; listening and understanding academic talks (youtube, teachertube, tedx etc.); professional language skills (vocabulary, jargon etc.) writing skills (reading web 2.0 sources); translation studies on education.

GENC 353
Art and Aesthetics
(Sanat ve Estetik)
Art, fine arts, craft and culture; art and education; art, creativity and artwork; philosophy of art and aesthetics; theories of art and aesthetics; art criticism; art history, art in pre-modern, modern and post-modern periods; art and social context; art and everyday life; Turkish-Islamic art-aesthetics and works of art; the position of art and artisan in the process of social change; the development of the arts in Turkey; understanding of art today; civilization and art; art, aesthetics and morality.
GENC 354
Turkish Folk Dance
(Türk Halk Oyunları)
Definition of folklore; rhythm and perception studies, play and folk-figure studies; local differences in folk dances, local figures, bar type, local figure learning, halay and spoon type local figure learning, horon and type of local figure learning, zeybek type local figure learning; studies about learned games, attitude and play styles; staging of folk dances, staging types and differences.

GENC 355
Turkish Sign Language
(Türk İşaret Dili)
Basic concepts related to sign language; Turkish sign language, history and characteristics; letters in Turkish sign language; phonology, the internal structure of sign, synchrony and concatenation, hand alphabet in terms of phonology, morphology in sign language, syntax; word order, sentence types; interrogative sentences in sign language; semantics, meaning and reference, types of meaning, idioms in sign language; conversation with the Turkish sign language.

GENC 356
Turkish Cultural Geography
(Türk Kültür Coğrafyası)
Culture, people and society; Turkish culture and Turkish civilization; The first ethnographic sources about Turks; Turkish states in history; Turkish state, administrative, military and social structure; Folk beliefs and mythology in Turks; The relationship between human and space in Turks; Verbal, written and material culture in Turks; Family structure in Turks; Demographic and cultural consequences of migrations in Turkish history; Turkish culture and its impact on other regions around; Tangible and intangible cultural heritage; transfer of natural and cultural heritage to future generations.

GENC 357
Turkish Classical Music
(Türk Musikisi)
Music elements belonging to Turkish communities living in Central Asia and Anatolia, Turkish mythology (human, creation, religious rituals and holidays etc.), mythological elements in Turkish Folk Music repertoire, types of music in Turkish State and Communities, Turkish Folk Music in historical process and the development of Turkish Art Music; interaction of different traditions and styles related to music; examination of instruments, composers, performers and sample works.

GENC 358
Turkish Art History
(Türk Sanati Tarihi)
Art styles from Hun Art to Göktürk, Uygur, Karahanlı, Ghaznavid, Great Seljuk, Anatolian Seljuks, Principalities and Ottoman period, architectural, sculpture and painting examples of these periods are examined comparatively; Turkish art and artists starting from Republic Period Art.
DEPARTMENT OF EDUCATIONAL SCIENCES

Chair
Prof. Nilüfer Voltan Acar

Academic Staff

* Research Assistant

Undergraduate Program in Guidance and Psychological Counseling

The main purpose of the program is to raise guidance and psychological counseling professionals who will primarily work at K-12 schools with all the stakeholders involved to support their academic, occupational, personal, and social development in a variety of work settings. The other aim of the program is to prepare qualified counselors, who have reflective and critical thinking, as well as leadership skills, and who can contribute to GPC practices at the national and the international level.

Program Outcomes

Guidance and psychological counselors graduating from GPC program at TEDU will demonstrate the following learning outcomes:

1. Apply the relevant research methods (qualitative and/or quantitative), collect, analyze and interpret data, and share the results with the stakeholders in order to monitor and improve students’ development.

2. Apply both the formal and informal assessment techniques in an attempt to interpret students’ strengths and needs as well as to evaluate the effectiveness of psychoeducational programs.

3. Relate content knowledge and fundamental counseling skills to enhance the academic, emotional, moral, social, and physical development of students.

4. Identify appropriate counseling methods of prevention and intervention for individuals and groups, and critically interpret and evaluate the theory and research underlying these methods.

5. Design and implement prevention and intervention strategies to meet the needs of individuals and groups.

6. Judge the coherence and consistency of moral and ethical values and act with personal and professional integrity.

7. Design comprehensive school guidance and group counseling programs, and lead the implementations of these programs with an ability to collaborate in team work with all the stakeholders (e. g., students, teachers, administrators, parents and others).

8. Analyze complex problems related to education in general and guidance and psychological counseling programs in particular within an interdisciplinary framework.

9. Manage personal affairs including problem solving and time management skills, and self-discipline.

10. Effectively use English and Turkish language in both oral and written communication to support his/her personal and professional development.
11. Engage in lifelong learning by following the developments, staying up-to-date and pursuing self-development personally and practicing self-assessment at every opportunity.

12. Value individual and cultural differences (race, ethnicity, class, gender, language, belief system, sexual orientation, and political opinion).

Undergraduate Curriculum
(2017-2018 and Before)

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| Semester 6 |
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| **Code** | **Course Title** | **C** | **P** | **L** | **Cr** | **ECTS** |
| EDU 302 | Special Education and Inclusion | 2 | 0 | 0 | 2 | 3 |
| GPC 322 | Principles and Techniques of Counseling | 2 | 2 | 0 | 3 | 5 |
| GPC 342 | Psychological Assessment | 2 | 2 | 0 | 3 | 5 |
| GPC 332 | Group Counseling | 2 | 2 | 0 | 3 | 5 |
| GPC 382 | Field Practice in Career Guidance and Counseling | 1 | 4 | 0 | 3 | 7 |
| SF | Secondary Field | 3 | 0 | 0 | 3 | 5 |
| **TOTAL** | | 12 | 10 | 0 | 17 | 30 |

| Semester 7 |
|-------------------|---|---|---|---|---|
| **Code** | **Course Title** | **C** | **P** | **L** | **Cr** | **ECTS** |
| TEDU 400 | Student Development Seminar | 0 | 0 | 0 | 0 | 1 |
| EDU 401 | Community Service | 1 | 2 | 0 | 2 | 3 |
| GPC 411 | Ethics and Legal Issues in Counseling | 2 | 0 | 0 | 2 | 3 |
| GPC 421 | Culturally Sensitive Counseling | 2 | 2 | 0 | 3 | 5 |
| GPC 471 | Research Project | 1 | 4 | 0 | 3 | 7 |
| GPC 481 | Field Practice in Individual Counseling | 1 | 4 | 0 | 3 | 7 |
| SF | Secondary Field | 3 | 0 | 0 | 3 | 5 |
| **TOTAL** | | 10 | 12 | 0 | 16 | 31 |

| Semester 8 |
|-------------------|---|---|---|---|---|
| **Code** | **Course Title** | **C** | **P** | **L** | **Cr** | **ECTS** |
| EDU 404 | Turkish Education System & School Management | 2 | 0 | 0 | 2 | 3 |
| GPC 472 | Capstone Experiences in Guidance and Counseling | 2 | 4 | 0 | 4 | 7 |
| GPC 482 | Field Practice in Group Counseling | 1 | 4 | 0 | 3 | 7 |
| GPC 484 | Field Practice in School Counseling Services | 1 | 4 | 0 | 3 | 7 |
| SF | Secondary Field | 3 | 0 | 0 | 3 | 5 |
| **TOTAL** | | 9 | 12 | 0 | 15 | 29 |

**Totals expected for graduation**

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Undergraduate Course Descriptions  
(2017-2018 and Before)

GPC 201  
Life Span Development  
(Yaşam Boyu Gelişim)  

GPC 202  
Theories of Personality  
(Kişilik Kuramları)  
Basic concepts related to personality. Development and adjustment of personality and mental health. Comparison and contrast of various theories of personalities. Connection of theory and practice.

GPC 204  
Psychology of Learning  
(Öğrenme Psikolojisi)  

GPC 206  
Social Psychology  
(Sosyal Psikoloji)  
Area of social psychology and its research methods. Social perception and social cognition, attitudes and theories of changing attitudes. Psychological processes which influence social behavior, social effect and compliance. Group dynamics and cultural diversity. Interpersonal relationships. Similarities and differences of these subjects.

GPC 212  
Guidance and Psychological Counseling  
(Rehberlik ve Psikolojik Danışma)  
Brief history of guidance and psychological counseling. Basic concepts and principles of guidance and psychological counseling. School guidance services.

GPC 214  
Child and Adolescent Mental Health  
(Çocuk ve Ergen Ruh Sağlığı)  
The importance of child and adolescent mental health. Theories related to mental health. Problem behaviors at the school setting. Diagnosis and treatment of behavioral and adjustment problems in children and adolescents. The effects of family problems (such as divorce, step mother-father, the death of a parent) or traumatic experiences on children and adolescents mental health.
GPC 301  (3+0+0) 3 Credits / 5 ECTS
Behavioral Disorders  
(Davranış Bozuklukları)
Concepts of normal and abnormal behavior, theoretical approaches and intervention techniques to abnormal behavior. Understand classification systems such as DSM (The Diagnostic and Statistical Manual for Mental Disorders) criteria.

GPC 303  (2+2+0) 3 Credits / 5 ECTS
Measurement and Evaluation  
(Ölçme ve Değerlendirme)

GPC 311  (2+2+0) 3 Credits / 5 ECTS
Career Guidance and Counseling  
(Mesleki Rehberlik ve Danışma)

GPC 321  (3+0+0) 3 Credits / 5 ECTS
Counseling Theories  
(Psikolojik Danışma Kuramları)
Basic counseling theories and approaches. Basic concepts, principles and strategies regarding these counseling theories and approaches. Putting together theories into practice and new approaches.

GPC 322  (2+2+0) 3 Credits / 5 ECTS
Principles and Techniques of Counseling  
(Psikolojik Danışma İlike ve Teknikleri)
Principles of counseling. Process and stages of counseling. Basic counseling skills and techniques. Practice of these basic skills and techniques.

GPC 332  (2+2+0) 3 Credits / 5 ECTS
Group Counseling  
(Grupla Psikolojik Danışma)
Basic concepts and principles of group counseling. Process of group counseling. Skills and techniques of group counseling. Stages of group counseling. Working with different problems and age groups.

GPC 342  (2+2+0) 3 Credits / 6 ECTS
Psychological Assessment  
(Psikolojik Değerlendirme Yöntemleri)
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<td>Application and assessment of measurement instruments used in career guidance and practice. Developing career development programs, career guidance and practice with individuals and groups.</td>
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<td>GPC 411</td>
<td>(2+0+0) 2</td>
<td>Ethical and Legal Issues in Counseling</td>
<td>The professional ethical laws in counseling area and general application standards. Client rights. Legal responsibilities of counselors. Legal problems. Multiculturalism and individual differences.</td>
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<tr>
<td>GPC 421</td>
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<td>Culturally Sensitive Counseling</td>
<td>Understand the importance of cultural differences. Theories and methods in culturally sensitive counseling. Education, professional and ethical issues in culturally sensitive counseling. Increasing cultural awareness and cultural sensitivity. Evaluate applicability of counseling theories to Turkish Culture.</td>
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<tr>
<td>GPC 471</td>
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<td>Research Project</td>
<td>Supervised individual research about guidance and psychological counseling.</td>
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<tr>
<td>GPC 472</td>
<td>(2+4+0) 4</td>
<td>Capstone Experiences in Guidance and Counseling</td>
<td>Research proposal or project in the field of psychological counseling as a final piece of an undergraduate degree. Practice in school internship. Oral presentation and paper submission.</td>
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<tr>
<td>GPC 481</td>
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<td>Field Practice in Individual Counseling</td>
<td>Counseling with individuals using basic counseling skills and methods under supervision.</td>
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<td>GPC 482</td>
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<td>Field Practice in Group Counseling</td>
<td>Examination of educational, vocational, individual guidance activities in preschools, primary and secondary schools. Application and assessment of test and individual appraisal techniques. Develop and practice group guidance programs in various subjects.</td>
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<tr>
<td>GPC 484</td>
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<td>Field Practice in School Counseling Services</td>
<td>A hands-on learning in a real-world setting to gain experience and knowledge in schools. Allow students to participate in counselor educational programs under the supervision of a professional counselor.</td>
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### Undergraduate Curriculum
(2018-2019 and After)

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Undergraduate Course Descriptions
(2018-2019 and After, 1st and 2nd Year Courses)

COMPULSORY COURSES

PCG 101 (2+0+2) 2 Credits / 4 ECTS
Introduction to Psychology
(Psikolojiye Giriş)
Definition of psychology, history of psychology, fields of psychology (social psychology, clinical psychology, educational psychology, etc.); psychological theories (behavioristic theories, cognitive theories, existential theory, etc.); biological bases of psychology, intelligence and its theories, sensation and perception, memory; personality and its theories, abnormal behaviors, motivation, emotion, defense mechanisms.

PCG 102 (2+0+2) 2 Credits / 4 ECTS
Developmental Psychology I
(Gelişim Psikolojisi I)
Basic concepts and principles about development, factors influencing development: genetic factors, environmental factors, historical time factor; theories of development: Freud's psychosocial development theory, Erikson's psychosocial development theory, Piaget's cognitive development theory, Maslow's personality development theory, Levinson's development theory, ecological approach (Bronfenbrenner); prenatal development, physical development in childhood, cognitive development, personality development, moral development; physical development in adolescence, adolescence-specific developmental tasks, cognitive development in adolescence, personality development, moral development and psychosocial development.

PCG 103 (2+0+2) 2 Credits / 4 ECTS
Cultural Antropology
(Kültürel Antropoloji)
Basic subjects of anthropology and the concept of culture; the history of cultural anthropology and cultural change, culture and values, the concepts related to culture (language, ecology, modes of production and economy), gender, marriage, family, kinship and ancestry systems; symbolic meanings of social organizations and ceremonies; anthropology of religion, communication, economics, education, film and photography, history, journalism, law, linguistics, literature, medicine, political science and sociology.

PCG 104 (2+0+2) 2 Credits / 4 ECTS
Physiological Psychology
(Fizyolojik Psikoloji)
The field and research methods of physiological psychology; physiology and anatomy of the organism, behavioral mechanisms and sensory functions, motor functions and emotions, motivation and its physiological basis, functional disorders and their causes.
PCG 106  
Guidance and Psychological Counseling in Schools  
(Okullarda Rehberlik ve Psikolojik Danışma)  
Basic concepts and principles related to GPC, history, field and branches of GPC; research and assessment methods, psychological counseling process, theories of psychological counseling, school counseling models (traditional and developmental), school counseling approaches (crisis-oriented, therapeutic-remedial, preventive and developmental), the purpose and principles of traditional school counseling, roles and functions of the school counselors, the purpose, principles and program of developmental school counseling (Comprehensive Developmental Guidance Program), basic services/interventions and roles and functions of the developmental school counselor; purpose and principles of developmental and preventive approaches in GPC, importance of life skills training in developmental approach, positive youth development approaches and levels of prevention in preventive approach (primary, secondary and tertiary).

PCG 201  
Developmental Psychology II  
(Gelişim Psikolojisi II)  
Transition to adulthood (emerging adulthood); basic characteristics of early adulthood, developmental tasks specific to early adulthood, close relationships in early adulthood, adaptation to worklife in early adulthood; basic characteristics of middle adulthood, developmental tasks and problems specific to middle adulthood, physical development in middle adulthood, cognitive development in middle adulthood, personality development in middle adulthood, psycho-social development in middle adulthood, basic characteristics of late adulthood, developmental tasks specific to late adulthood, physical development in late adulthood, personality development in late adulthood, cognitive development in late adulthood and psycho-social development in late adulthood.

PCG 202  
Personality Theories  
(Kişilik Kuramları)  
Basic concepts related to personality; Personality development; Adjustment and mental health; Characteristics and comparison of personality theories; Making connection of theories of personality with counseling practices.

PCG 203  
Psychology of Learning  
(Öğrenme Psikolojisi)  
Basic principles and concepts of learning, factors influencing learning (related to learner, learning materials, strategy of learning, and learning environment), theories of learning (behavioral approach, cognitive approach, humanistic approach), effective learning methods and strategies.
PCG 204
Life Span and Adjustment Problems
(Yaşam Dönemleri ve Uyum Sorunları)
Considering the concepts of normality and abnormality from various aspects, diagnosis systems and
criteria of adjustment disorders in diagnosis systems, distinctive diagnosis criteria of identification of
adjustment disorders (post-traumatic stress disorder, operational defiant disorder, aspects of behavioral
disorders), reasons of why adjustment disorders are considered according to development period,
preventive and risky factors in adjustment disorders; early childhood period, junior, adolescence, early
adulthood, adulthood, late adulthood adjustment disorders and coping with them.

PCG 205
Social Psychology
(Sosyal Psikoloji)
The field of social psychology and its research methods; social perception and social cognition, attitudes
and attitude change theories; psychological processes affecting social behavior, social influence and
conformity, group dynamics, interpersonal relations.

PCG 206
Character and Values Education
(Karakter ve Değer Eğitimi)
Conceptual framework: Character, personality, value, virtue, morality, temperament etc.; character
development and education; family, environment, and the school in character development and
education; definition and classification of values; sources and personal, societal, cultural, religious, and
moral foundations of values; approaches to and applications of character and values education; cross-
cultural differentiation in character and values education, and culture of co-existence; character and
values education from the philosophy of and goals of education; instructional methods and techniques
in character/value education; value crisis and education in the modern and multicultural societies;
examples of value education from Turkish history of education and culture; values education applications
and research in Turkey; teacher as a role model in character and values education.

PCG 207
Basic Statistics
(Temel İstatistik)
Basic concepts about statistics, data organization, descriptive statistics, probability calculations,
probability distributions, parametric and nonparametric hypothesis tests, types of correlation, simple
linear regression analysis, t tests, analysis of variance and software application of these statistics.

PCG 208
Non-Testing Techniques
(Test Dişî Teknikler)
Non-test self-expression techniques such as interviews, questionnaires, information collecting slips,
marking lists, time table, autobiography, observation, grading scale, sociometry, who are observational
techniques such as case study, case recording, development of situational tests such as case registration,
validity and reliability related studies.
ELECTIVE COURSES

PCG 250
Sexual Health Education
(Cinsel Sağlık Eğitimi)
Sexual information which is necessary for protecting and improving physical, emotional and social health; precautions, different sexual behaviors; cultivating attitudes and values, decision-making, being able to define safe sexual behaviors.

PCG 251
Child Abuse and Neglect
(Çocuk İstismarı ve İhmali)
Basic concepts of child abuse and neglect; children rights, theories and models, the impact of child abuse and neglect on children, therapeutic process, psycho-educational programs on child abuse and neglect, code of laws regarding child abuse and neglect, research on child abuse and neglect.

PCG 252
Psychological Counseling with Children and Adolescence
(Çocuk ve Ergenlerle Psikolojik Danışma)
Developmental features of child and adolescents and their reflections on psychological counseling process; principles and techniques of counseling process with child and adolescents; planning the psychological counseling process, structuring and leading the counseling session; effective counseling theories for child and adolescents, individual and group counseling with child and adolescents, counseling with child and adolescents with special needs, counseling during and after divorce, ethical and legal issues.

PCG 253
Affective Education
(Duyuşsal Eğitim)
Definition of affect, categorization of affective domain, stages of affective domain: receiving, responding, evaluation, organization, attitude and behavior change; perspectives of affective education, practicing affective education, importance of affective dimension of education in psychological counseling and guidance.

PCG 255
Crisis Intervention
(Krise Müdahale)
Crisis intervention and the definition of crisis, causal factors of crisis, models and techniques of crisis intervention, reactions of crisis victims, crisis in childhood and adolescence, crisis prevention, assessment of suicide, intervention strategies on individual and group base with the consideration of the developmental stage.
PCG 256
Culturally Sensitive Counseling
(Kültüre Duyarlı Psikolojik Danışma)
Culture, the history of culturally sensitive counseling practices; the reasons behind the development of culturally sensitive counseling practices; culturally sensitive counseling competencies; practices of culturally sensitive counseling.

PCG 257
Mental Health at Schools
(Okulda Ruh Sağlığı)
The definition of mental health and related concepts; mental health in theories of psychology, factors effecting mental health at schools, mental health at schools and humanistic perspective of education, mental health at schools according to developmental stages; cognitive and affective learning and their relation with mental health.

PCG 258
Preventive Guidance and Counseling
(Önleyici Rehberlik ve Psikolojik Danışma)
The prevention mission of guidance and psychological counseling; prevention levels, theories of prevention, essential life skills and positive youth development programs; cyberbullying, sexual abuse, technology and drug abuse, suicide, school dropout, counseling and reporting for children under probation.

PCG 259
Gifted Children and Their Education
(Özel Yetenekli Çocuklar ve Eğitimi)
Introduction to identification techniques of the intellectual and developmental characteristics of the gifted and talented, appropriate prevention psychological counselling and guidance services for gifted and talented students, points to consider in preparation of individual education and counselling program and introduction to application examples.

PCG 260
Consultation in Psychological Counseling and Guidance
(Psikolojik Danışma ve Rehberlikte Konsültasyon)
School counseling and consultation services, consultation principles and techniques; implementation of consultation services for families and teachers, analyzing efficacy research related to consultation services, cooperation with administration.

PCG 261
Social Skills Training
(Sosyal Beceri Eğitimi)
Concepts related to social skills, components of social skills, social skill acquisition, models and measurement of social skills, social skills for dealing with difficult people; emotional expressivity, emotinal awareness, emotion regulation; social expressivity, social awareness and social control.
PCG 262  
Applied Behavior Analysis  
(Uygulamalı Davranış Analizi)

Learning theories, basic principles of applied behavior analysis, determination of target behaviors, data recording techniques, drawing and interpreting graphics, reinforcement, hint and its types, shaping, symbol reinforcement, evaluation of problem behaviors and reduction of inappropriate behaviors.

PCG 263  
Creative Drama  
(Yaratıcı Drama)

Basic concepts of creative drama, historical development of creative drama; planning, implementing, and evaluating creative drama process according to developmental periods and individual differences of individuals; developing positive attitude toward creative drama.

PCG 264  
Contemporary Approaches and Models in Counseling  
(Yeni Psikolojik Danışma Yaklaşım ve Modelleri)

New and different counseling approaches and models, concepts, principles and techniques that form the basis of these approaches and models; to have knowledge about conceptualizing and evaluating the problems of the client in the context of the subject approach and model, and sample applications.

PCG 265  
Adult Education and Lifelong Learning  
(Yetişkin Eğitimi ve Hayat Boyu Öğrenme)

Definition of adulthood, characteristics of adulthood period, school counseling services and adults, adult learning styles, problems during adulthood, characteristics of adult educators, educational principles, instructional methods and techniques, types of curriculum, and learning environments for adults.

PCG 270  
Family Counseling and Ethics  
(Aile Danışmanlığı ve Etik)

Ethical principles and standards of general professional practice, ethical issues in specialty areas, ethical and professional decision making, client rights, responsibilities of family counselor, legal issues.

PCG 271  
Family Relations and Communication  
(Aile İçi İlişkiler ve İletişim)

Structure of family and communication patterns, effective communication skills in family, basic communication skills, I-you language, dysfunctional communication patterns, communication between couples, parent-child communication education and family communication.
PCG 272
Family Violence
(Aile Içi Şiddet)
Family structure and dysfunctional family patterns; types of violence and its indicators, incest, support to family member who is victim of violence; mandated counselling for bully family member; types of domestic violence, causes and consequences of domestic violence, prevalence of domestic violence; primary, secondary and tertiary prevention topics.

PCG 273
Addiction Education for Families
(Ailede Bağımlılık Eğitimi)
Causes, types and stages of addiction; treatment process in addiction; medical support to addicted family member, legal process, supervised liberation process, mandatory counseling for addicted family member, family support process with systemic model, coordination of narcologist, psychiatrist and family counselor.

PCG 274
Parental Education
(Ana-Baba Eğitimi)
Differences between pedagogy and andragogy, basic features of adult students; types of parental education, history of parental education, Parent’s effectiveness training, principles of parental education formation, parental attitudes, the methods of familial healthy communication.

PCG 275
Divorce and Divorce Conciliation
(Boşanma ve Boşanma Arabuluculuğu)
Problems during divorce process, models of divorce process, effects of divorce, possible domestic abuse during divorce, psychological support for parents and children during divorce, counseling for adjustment to divorce, coordination with mediator during divorce.

PCG 276
Pre-Marital Counseling
(Evlilik Öncesi Psikolojik Danışma)
Premarital period and romantic relationships, choosing a mate and factors affecting choosing a mate; theories of mate selection; premarital individual counseling, premarital couples counseling, examples of premarital psychoeducational programs.

PCG 277
Culturally Sensitive Family Counseling
(Kültüre Duyarlı Aile Danışmanlığı)
Revisiting theories of family counseling in terms of culturally sensitive way; comparing and contrasting the culture of the theories in which were developed and the native cultural characteristics of which will be applied; recognition of cultural backgrounds of the family; reflecting the counselor competencies in practices.
PCG 278
Gender Equality
(Toplumsal Cinsiyet Eşitliği)
Psychosocial development, gender and related concepts, models and theories; gender roles, stereotypes, scales and related studies; gender and education, development within the gender equality, gender and process of psychological counselling.

PCG 279
Child and Family in Turkish Culture
(Türk Kültüründe Aile ve Çocuk)
Structure of Turkish Family; child rearing practices and the value of child in different Turkish states; culture of, traditions and customs in families in Anatolia; the interactions between extended and nuclear family; marriage rituals, funeral ceremonies, roles and responsibilities of culturally sensitive family counselor.

PCG 280
Psychology of Close Relationships
(Yakın İlişkiler Psikolojisi)
Definition of close relationship, theories, processes and important dynamics in close relationships, developing a wider and cultural perspective in close relationships, starting, maintaining, and ending close relationships, conceptualization of problems of the clients in close relationships.
DEPARTMENT OF ELEMENTARY EDUCATION

Chair
Assoc. Prof. Süheynedan Er

Academic Staff

*Research Assistant

Undergraduate Program in Early Childhood Education

The Early Childhood Education undergraduate program within the Department of Elementary Education at TED University serves the community with faculty members and research assistants. The program is located at the Kolej Campus of TED University.

Early Childhood Education is usually defined as the care and education of young children (ages zero to eight). The program is based on the premise that children best learn in a material-rich learning environment where children spend most of their time playing. Thus, the goal of the early childhood undergraduate program at TED University is to train high quality early childhood teachers, capable of supporting the development and learning of young children (ages zero to eight). This is done in a rich learning environment and can contribute to early childhood education at the national and international level.

Program Outcomes

Graduates of the Early Childhood Education program will demonstrate the following learning outcomes:

1. Integrate knowledge of child development and learning, subject-matter/disciplinary content, interdisciplinary themes, research and inquiry methods to early childhood pedagogy.
2. Create developmentally and culturally appropriate early childhood learning environments that encourage individual and collaborative learning.
3. Cooperate and collaborate with colleagues, families, community, other individuals and agencies in ways that contribute to development and learning of young children.
4. Use multiple tools and methods of early childhood assessments to continuously monitor and document children’s progress and to guide instruction.
5. Utilize appropriate pedagogical and professional knowledge and skills in planning, implementation, and evaluation of early childhood curriculum and services.
6. Demonstrate commitment to early childhood profession, professionalism, lifelong learning, ethics, personal and professional growth.
7. Value diverse opinions, belief systems, cultures and contribution of others.
8. Demonstrate critical thinking skills, inquiry, creativity, initiative and innovation to solve a range of problems in everyday situations.
9. Access and analyze information from a variety of sources, including information and communication technology, to attain personal and professional goals.
10. Demonstrate skills in self-discipline, time and information management, individual and team work in interdisciplinary projects.
11. Demonstrate competence in effective communication in written, spoken, nonverbal and electronic forms.

12. Use English at B2 level to support personal and professional activities.

### Undergraduate Curriculum
(2017-2018 and Before)

#### Semester 1

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**Totals expected for graduation**

|                  | 94 | 86 | 2  | 138 | 240 |
Undergraduate Course Descriptions
(2017-2018 and Before)

ECE 201  (2+2+0) 3 Credits / 5 ECTS
Introduction to Early Childhood Education
(Okul Öncesi Eğitime Giriş)

ECE 202  (2+2+0) 3 Credits / 6 ECTS
Curriculum in Early Childhood Education
(Okul Öncesi Eğitimi Eğitim Programı)

ECE 203  (2+2+0) 3 Credits / 5 ECTS
Child Development and Learning
(Çocuk Gelişimi ve Öğrenme)
Physical, cognitive, social, emotional, and language characteristics of children ages between birth to eight. Contextual factors that affect young children’s development and learning. Theories of child development and learning. Application of child development and learning theories to early childhood learning teaching.

ECE 204  (2+2+0) 3 Credits / 5 ECTS
Child Health, Safety and Nutrition
(Çocuk Sağlığı, Güvenliği ve Beslenmesi)

ECE 205  (2+2+0) 3 Credits/ 6 ECTS
Development and Education of the Gifted
(Üstün Yeteneklilerin Gelişimi ve Eğitimi)

ECE 206  (2+2+0) 3 Credits / 5 ECTS
Children, Play and Learning
(Çocuk, Oyun ve Öğrenme)
ECE 207
Drama in Education
(Eğitimde Drama)
Concept of creative drama. Different types of drama. Drama techniques. Improvisation. Role of drama in active learning, exploration and imagination. Role of drama in the development and education of children. Integration of music, movement, visual arts, and literature into drama. Integration of pedagogic drama across elementary education curriculum.

ECE 242
Language Development and Literacy Education
(Dil Gelişim ve Okuma Yazma Eğitimi)

ECE 302
Learning Environments
(Öğrenme Ortamları)

ECE 311
Early Childhood Math, Science and Technology Education
(Okul Öncesi Matematik, Fen ve Teknoloji Eğitimi)

ECE 342
School Readiness and Transition
(İlköğretim Hazırlık)
ECE 381 (1+4+0) 3 Credits / 6 ECTS
Early Childhood Education Practicum I
(Okul Öncesi Eğitim Okul Deneyimi I)

ECE 382 (1+4+0) 3 Credits / 6 ECTS
Early Childhood Education Practicum II
(Okul Öncesi Eğitim Okul Deneyimi II)

ECE 471 (1+4+0) 3 Credits / 7 ECTS
Research Project in Early Childhood Education
(Okul Öncesi Eğitim Araştırma Projesi)
Preparation for an early childhood research project. Implementation of the research phases. Writing research reports.

ECE 472 (1+4+0) 3 Credits / 7 ECTS
Capstone Experience in Early Childhood Education
(Okul Öncesi Eğitim Bitirme Projesi)
Development of a professional teacher portfolio. Developmentally appropriate teaching activities. Samples of instructional plans. Early childhood learning environment design. Samples of school, family and community relationships. Samples of assessment activities. Professional development activities. Presentation of this professional portfolio.

ECE 481 (1+8+0) 5 Credits / 10 ECTS
Student Teaching in Early Childhood Education I
(Öğretmenlik Uygulaması I)

ECE 482 (1+8+0 ) 5 Credits / 9 ECTS
Student Teaching in Early Childhood Education II
(Öğretmenlik Uygulaması II)
## Undergraduate Curriculum (2018-2019 and After)

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Undergraduate Course Descriptions
(2018-2019 and After, 1st and 2nd Year Courses)

COMPULSORY COURSES

ECEP 101
Introduction to Early Childhood Education
(Erken Çocukluk Eğitimine Giriş)
Principles and definition of early childhood, foundations and historical development of early childhood education. Early childhood education across nations and in Turkey. Needs and developmental characteristics of children. Early childhood teacher characteristics. Types of early childhood institutions (kindergarten, preschool, etc.). Physical, social and educational environment characteristics. The role and the importance of families in early childhood.

ECEP 102
Development of Early Childhood Education
(Erken Çocukluk Döneminde Gelişim)
Basic concepts about physical, motor, cognitive, language, social-emotional, personality development, moral development and sexual development of children aged 36-72 months, developmental theories; factors affecting developmental areas; developmental characteristics; relation of development areas.

ECEP 103
Child Health and First Aid
(Çocuk Sağlığı ve İlk Yardım)
Definition of child health; the conditions of child health in Turkey and in the world; child development in pregnancy; the effects of pregnancy diseases and accidents on child development; physical development of 0-8 years (tooth, height, weight), diseases of 0-8 years children (diaries, bronchitis, immunizations, exanthema diseases, parasites, infections etc.) vaccination; health problems of women in various life stages; family planning; teachers’ first aid in case of fractures, dislocations, scalds, insect stings, intoxication, swallows.

ECEP 104
Development and Education in Infancy
(Bebeklik Döneminde Gelişim ve Eğitim)
Basic concepts and principles of development, specifications of prenatal and postnatal development, infant (health, care and nutrition), importance of health, care and nutrition in infant development, developmental areas of 0-36 month-old children (motor, cognitive, literacy, social-emotional) and self-care skills, fundamentals, principles and indicators of preschool program for 0-36 month-old children, environmental specifications and activities, implementation and evaluation of educational plans (monthly, daily and activity plans).
ECEP 201
Science Education in Early Childhood
(Erken Çocuklukta Fen Eğitimi)
Definition and importance of science education in early childhood; fundamentals and standards in science education; scientific process skills; nature of science; teaching techniques and methods in science concepts and scientific thinking skills; designing learning centers in science education; science programs used in early science education (Wings of Discovery, Tool Kit for early science education; Hands on Dough); acquisition of basic science concepts; planning and implementing science activities.

ECEP 202
Music Education in Early Childhood
(Erken Çocuklukta Müzik Eğitimi)
Importance of music education in early childhood education, the relationship between music and education; musical development of 0-8 years old children and their musical skills; use of music in reaching the goals of early childhood education program and designing an appropriate repertoire; introducing and analyzing children songs, criterions in choosing child songs; creating a musical environment with equipment for early childhood educational institutions; spiral educational model integrated with music activities.

ECEP 203
Mathematics Education in Early Childhood
(Erken Çocuklukta Matematik Eğitimi)
Definition and importance of mathematics education in early childhood; fundamentals and standards in early mathematics education; teaching techniques and methods in mathematics concepts and scientific thinking skills; mathematics education and play; mathematics programs (Building Blocks, STEM, GEMS (Great Explanation in Math and Science, Big Maths for Little Kids); designing learning centers in science education; science programs used in early science education (Wings of Discovery, Tool Kit for early science education; Hands on Dough); acquisition of basic science concepts; planning and implementing science activities.

ECEP 204
Development and Education of Play in Early Childhood
(Erken Çocuklukta Oyun Gelişimi ve Eğitim)
Educational and developmental value of play in early childhood; using play as a tool for development assessment of children; definition of play, its importance, its improvement; theories of play; factors affecting play; planning and applying play activities
ECEP 205
Curriculum in Early Childhood
(Okul Öncesi Eğitim Programları)
The importance, principles and components of educational program; historical process of early childhood education programs applied in Turkey; main components, principles, objectives, indicators, settings, activities, forms, plans (monthly education plan, daily schedule and activity plan), implementations and assessment of early childhood program applied for 3-6 ages; applied practices of in-class activities related with early childhood education program. Curriculum models and approaches in early childhood education, design, development, and assessment of early childhood curriculum.

ECEP 206
Drama in Early Childhood Education
(Erken Çocukluk Eğitiminde Drama)
Definition and extended meaning of drama; psychodrama, creative drama, sociodrama, concepts; relationship between children’s play and drama; history of drama in education; structure of drama in education and implementation stages; drama atmosphere and qualifications of teacher; evaluation of drama; developing, leading and evaluating drama appropriate for the objectives of the course.

ELECTIVE COURSES

ECEP 250
Family Education and Involvement
(Aile Eğitimi ve Katılımı)
Basic concepts related to family education; the importance of family education, objectives, principles; family education models; family theories (Family System Theories, Social Relationship Theory, Bioecological Theory, Structural Functional Theory); family education practices in Turkey and in other countries; planning, implementation and evaluation of family education activities; methods and techniques used in family education; family participation activities (family communication activities, family participation in educational activities, individual interviews, home visits); The Family Support Training Guide (EBADER) and the Preschool education program integrated with the 0-36 month Children’s Education Program (OBADER).

ECEP 251
Child and Media
(Çocuk ve Medya)
Media concepts investigating the relationship between the products of digital media (cartoons, advertisements, computer games, Internet sites etc) and the child; media and violence; media and bullying; media and children’s rights; The effects of media on child development; media and child obesity; the role of parents and school in digital media access.
ECEP 252
Behavior Management in Child
(Çocukta Davranış Yönetimi)
Identification and description of positive and negative behaviors in children. Learning strategies to support positive behaviors while extinguishing negative behaviors, attitudes of teacher and parents toward behavior management, arranging home and class learning environments for behavior management, developing practical strategies toward problematic behaviors observed inside the classroom and also engaging in assessment and evaluation practices.

ECEP 253
Motor Development and Education in Child
(Çocukta Hareket Gelişimi ve Eğitimi)
Motor development and its characteristics; movement skills and development of physical skills; relation of play and movement; motor development stages; planning learning environments of motor development; planning, conducting and evaluating movement activities of early childhood settings.

ECEP 254
Social Skills Education in Child
(Çocukta Sosyal Beceri Eğitimi)
The definition of behavior; positive and negative behaviors, theoretical foundations of the behavioral development; the definition of social skills, the importance of gaining social skills; the role of value education in gaining social skills; reasons of social skills deficits, the scope of social skills; definition of problematic behaviors, the relationship between social skill and problem behavior, the classification of problematic behaviors; social skills and the problem; factors effective on social skills and problematic behaviors; social skill education program in early childhood period; preparing and presenting an exemplified program for social skills support trainings and the prevention of problematic behaviors.

ECEP 255
Traditional Games in Early Childhood Education
(Erken Çocukluk Eğitiminde Geleneksel Çocuk Oyunları)
Traditional children’s games and their educational, cultural value; remembering these games which do not exist or in danger of extinction in Turkish culture; definition, importance, rules of these games; games played in groups or with adults; egquests of traditional games on developmental areas; Planning and application of these games.

ECEP 256
Language and Concept Development in Early Childhood
(Erken Çocuklukta Dil ve Kavram Gelişimi)
Language development and its stages; physiological foundations of language and talking; concept development in ages; concept development approaches; classification of concepts; concepts in semantics; organization of concepts; relation of concepts and language development; assessment.
ECEP 257
Sensory Education in Early Childhood
(Erken Çocukluğta Duyu Eğitimi)
Development of senses; perception development; working of sensory systems; sense awareness in early years; importance of sensory education in child development; organizing learning environments for improving sense awareness; materials in sensory development; role of the teacher in sensory development; organizing, application and assessment of activity plans for improving sensory development.

ECEP 350
Rhythm, Dance and Orff Education in Early Childhood
(Erken Çocukluğta Ritim, Dans ve Orff Eğitimi)
Development of rhythmic perception, the relation of sound, rhythm and developmental areas; organizing learning environments; rhythm, sound and dance; dance and movement; playing, singing, listening with Orff; producing own sound and using Orff instruments; planning, implementation and evaluation of music activities in early childhood program.

ECEP 351
Creativity in Early Childhood and Creative Activities for Children
(Erken Çocukluğta Yaratıcılık ve Yaratıcı Çocuk Etkinlikleri)
Definition of creativity; theories explaining creative thinking; dimensions of creativity; development of creativity in children; the relationship between creativity and intelligence; areas of creativity and art; creative personality characteristics, factors affecting creativity, the role of education in the development of creativity; evaluation of creativity; planning, implementation and evaluation of creative activities appropriate to pre-school education program.

ECEP 352
Early Childhood Education Across Nations
(Farklı Ülkelerde Erken Çocukluğ eğitimi)
Education system in different countries, history of preschool education in different countries, prevalence, types of institutions, types of programs, educational environments, family participation, integration of children with special needs, teacher training system in pre-school education.

ECEP 353
Education of In-Patient Children
(Hastanede Yatan Çocukların Eğitimi)
The development of in patient children- their needs, interests, psychology; the communication of hospital staff, child and the parents; preparation of life in hospital, diagnosis, treatment and readiness for the operation; preparing play, music, art, drama, maths activities for inpatient children; the communication of hospital schools and children with terminal diseases, their parents and the hospital staff.
ECEP 354
Education of Children at Risk
(Risk Altındaki Çocuklar ve Eğitimi)
Risk factors and effects, groups of children created by risk factors, children living and working on the streets, children working in sectors, fragmented family children, children in need of protection, children oriented to crime, children who are neglected and abused, children at risk of developmentally, children living under unfavorable environmental conditions and their characteristics, critical elements in their education, measures to be taken, projects implemented in Turkey and other countries for the education of children at risk.

ECEP 355
Assessment of In Class Learning
(Sınıf İçi Öğrenmelerin Değerlendirilmesi)
Measurement tools used in education and their properties; tools based on traditional approaches: written exams, short answer exams, true-false type tests, multiple-choice tests, paired tests, oral examinations; tools for multi-faceted recognition of students: observation, interview, performance evaluation, student product file, research papers, research projects, peer review, self-assessment, attitude scales; points to be considered in the evaluation of student success; evaluation and grading of learning outcomes.

ECEP 356
Family and Child in Turkish Culture
(Türk Kültüründe Aile ve Çocuk)
Turkish family; Child bringing in different Turkish societies; Parent culture, traditions in Anatolia; interaction of extended families and elementary family marriage ceremonies; funeral ceremonies; the roles of family consultants in collectivist societies.
Undergraduate Program in Primary Education

The Primary Education Program in the Department of Elementary Education at TED University is an undergraduate program which trains elementary school teachers for elementary schools from first to fourth grade. The main goal of the program is to train highly qualified school teachers who are reflective and critical thinkers and capable of showing leadership in their field as well as contributing to the field of elementary school education at both national and international levels.

Upon successful completion of their studies, students are awarded the Bachelor’s degree in Primary Education. Our students who receive an education from a first-rate faculty in state-of-the-art facilities and who take advantage of the rich learning environments provided by the university will be sought after upon graduation and will easily find employment in the school systems in Turkey and the region.

Program Outcomes

Graduates of the Primary Education program will demonstrate the following learning outcomes:

1. Apply the research-based knowledge of child development (in the 5-9 years category) to his/her teaching practice.
2. Use effectively the content area knowledge in physical and social sciences, languages, arts and sports in his/her teaching practice.
3. Justify the appropriate use of pedagogical content knowledge in implementing and evaluating developmentally and culturally appropriate and diverse learning environments that meet the child’s unique learning needs.
4. Determine appropriate methods of assessment to continuously monitor children’s progress and document children’s development and learning.
5. Act with personal and professional integrity as part of a team, taking into account codes of ethics, professional guidelines, and relevant law and policy for elementary education.
6. Effectively use English in both oral and written communication and use information technology skills to support teaching and learning activities.
7. Actively engage in collaborative community projects that support the development of children by building and maintaining strong and constructive relationships with children, their families and other key stakeholders in society.
8. Engage in lifelong learning by following the developments in his/her profession, staying up-to-date and pursuing self-development both professionally and personally and practicing self-assessment at every opportunity.
9. Critically investigate complex problems related to education in general and elementary education in particular within an interdisciplinary framework.
10. Manage personal affairs effectively by developing self-discipline, problem-solving, and time-management skills.
11. Compare the approaches and methods of another discipline quite different from one’s major.
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(2017-2018 and Before)

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**TOTAL** 9 14 0 16 30

Totals expected for graduation 96 82 2 138 240
Undergraduate Course Descriptions
(2017-2018 and Before)

EGE 221 (2+2+0) 3 Credits / 6 ECTS
Primary School Mathematics
(İlkokul Matematiği)

EGE 222 (2+2+0) 3 Credits / 7 ECTS
Teaching Primary School Mathematics
(İlkokulda Matematik Öğretimi)
Instructional methods and strategies for teaching fundamental concepts of elementary school mathematics. Designing instructional activities which constitutes fundamental concepts. Integrating technology as a teaching tool. Lesson planning from different perspectives and diversification. Instruction and assessment.

EGE 232 (2+0+0) 2 Credits / 3 ECTS
Education of Religion and Ethics
(Din Kültürü ve Ahlak Bilgisi Eğitimi)
Core concepts regarding religion, culture, and morality. Fundamental tenets of Islam as well as other world religions. Relationship between ethics and individual and society. Methods of religion and ethics curriculum.

EGE 251 (3+0+0) 3 Credits / 5 ECTS
Turkish Language in Primary Education
(Sınıf Öğretmenliğinde Türk Dili)
Study of the tense and aspect structure of the Turkish verb system and its semantics. Words and phrases. Sentence types in Turkish: simple sentence, compound clauses, if-clauses, coordinate and subordinate clauses. Word and sentence analysis in a variety of texts. Determinate article structure in Turkish. Noun phrase structure and its properties. Textual studies such as selecting level appropriate texts and the analysis of their internal and external structures.

EGE 252 (2+2+0) 3 Credits / 6 ECTS
Turkish Language Education Methods in Primary Education
(Sınıf Öğretmenliğinde Türkçe Eğitimi)
Reading, writing, listening, speaking, speed reading as well as presentation and comprehension skills. Reading difficulties. Structure of reading texts. Informative and narrative texts. Critical thinking skills through reading and writing. Purposes, types, and rules of reading. Assessment of reading, writing, listening, and comprehension skills.
EGE 304  
Assessment of Learning  
(Ölçme ve Değerlendirme)

EGE 311  
Sciences in Primary Education  
(Sınıf Öğretmenliğinde Fen Bilimleri)

EGE 312  
Science Education Methods in Primary Education  
(Sınıf Öğretmenliğinde Fen Bilimleri Eğitimi)

EGE 321  
Art Education  
(Sanat Eğitimi)
Approaches to teaching art to pre-school and primary grade children. Drawing, painting, printmaking, sculpture, ceramics, installation and plays, video art, photography, use of technology and computers in the art room, outdoor environmental art. Art supplies. Preparing and evaluating of the art program, and art lesson planning. Art room design. Making art with children with special needs and over talented students. Designing learning environments and assessment in art education. Art across the curriculum. The links between art and other subjects. The ideal relationship of the art teacher with students in an art class. Understanding and analyzing children’s drawings. Continuous professional growth for the art teacher. The exhibition of works by students.

EGE 331  
Social Studies in Primary Education  
(Sınıf Öğretmenliğinde Sosyal Bilgiler)
EGE 332  (2+2+0) 3 Credits / 6 ECTS
Social Studies Methods in Primary Education
(Sınıf Öğretmenliğinde Sosyal Bilgiler Eğitimi)

EGE 341  (1+2+0) 2 Credits / 3 ECTS
Music Education
(Müzik Eğitimi)

EGE 381  (1+4+0) 3 Credits / 6 ECTS
Practicum
(Okul Deneyimi)
Designing and planning curriculum and learning environments under the supervision of mentor teachers. Teaching as an assistant teacher. Assessing children’s learning. Engaging parents. Attending professional teacher development activities.

EGE 441  (1+2+0) 2 Credits / 4 ECTS
Motor Development and Physical Education
(Motor Gelişim ve Beden Eğitimi)

EGE 471  (1+4+0) 3 Credits / 7 ECTS
Research Project in Primary Education
(Sınıf Öğretmenliğinde Araştırma Projesi)
EGE 472  
**Capstone Experience in Primary Education**  
*(Sınıf Öğretmenliğinde Bitirme Projesi)*

Putting all the skills and knowledge acquired throughout undergraduate studies into practice. Creating a professional teacher portfolio (content of the portfolio: developmentally appropriate teaching activities, samples of instructional plans, evidence that shows appropriate primary education learning environment design, samples of work related to school, family and community relationships, samples of assessment activities, evidence of participation in professional development activities). Presentation of this professional portfolio.

EGE 481  
**Student Teaching I**  
*(Öğretmenlik Uygulaması I)*


EGE 482  
**Student Teaching II**  
*(Öğretmenlik Uygulaması II)*

### Undergraduate Curriculum
(2018-2019 and After)

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Undergraduate Course Descriptions
(2018-2019 and After, 1st and 2nd Year Courses)

COMPULSORY COURSES

EGEP 101
Fundamental Mathematics in Primary School
(İlkokulda Temel Matematik)
Number systems and hierarchical model, number systems with closure properties according to four operations, mathematical modelling, problem solving and problem posing with four operations, convert a number from base 10 to any other base, convert a number from different bases to base 10, divisibility rules for 2, 3, 4, 5, and 10 with proofs, greatest common factor, and least common multiple, fractions and four operations with fractions, fractions and ratio, decimal representation of fractions, decimal numbers and four operations, patterns, basic geometric shapes, basic space geometry and their expansions, the concept of measurement and basic units of measurement, and their relation to the purpose and principles of mathematics teaching in addition to primary mathematics curriculum.

EGEP 102
Environmental Education
(Çevre Eğitimi)
Basic ecological concepts and principles, ecosystems, food chains, food webs, habitat, competition, common life and mutual living, energy flow, circulation of matter, increase in population, ecological effect, erosion, soil and water resources, environmental sensitivity, studies conducted about environmental sensitivity, foundations and establishments, environmental education in primary school curricula.

EGEP 103
Geography and Geopolitics of Turkey
(Türkiye Coğrafyası ve Jeopolitiği)
The location and position of Turkey; Turkey’s geopolitical and geostrategic situation and characteristics; characteristics of mathematical location, location specific properties (neighbors), countries group features (political, military, economic cultural organizations), Turkey’s physical features (climate, hydrographic characteristics, soil structure, vegetation), socio-economic characteristics (population, settlement, agriculture, forestry, animal husbandary, energy, industry, transport, tourism)

EGEP 104
Fundamental Science Education in Primary School
(İlkokulda Temel Fen Bilimleri)
The subject and principles of natural sciences, basic concepts of natural sciences, the place of science among other areas, historical development of science, the purpose of science teaching, general information about science subjects in primary school curricula, and daily usage of science topics.
EGEP 106
Turkish History and Culture
(Türk Tarihi ve Kültürü)
The first homeland of Turks—the first civilizations established in homeland, the life of the Turks before the Huns, Huns: Great Hun State-Tribes immigration; and European Huns-Akhunlar-Tolunoğulları-İhşitler-Karahanlılar-Ghaznavids, Great Seljuk State-Anatolian Seljuk State, Ottoman State Period, Ottoman Empire; Other Turkish States (Azerbaijan-Kazakhstan-Kyrgyzstan-Turkmenistan-Uzbekistan-Turkish Republic of Northern Cyprus and communities), Culture and Civilization.

EGEP 201
Drama in Primary School
(İlkokulda Drama)
Definitions of the concept of drama; concepts of psychodrama, creative drama, educational drama, sociodrama etc.; relationship between drama and play; history of drama applications in education; structure and stages of drama applications in education; learning environment for drama and teacher competencies; assessment/evaluation in drama; exemplary drama activities in education, developing and applying drama activities in education.

EGEP 202
Game and Physical Activities Teaching
(Oyun ve Fiziki Etkinlikler Öğretimi)
Theoretical structure related to the curriculum of primary school play and physical activities (Grades 1-4) (structure of the program, basic skills, basic elements of the program, achievements according to classes, teaching methods, classroom management, measurement and evaluation), primary school play and physical activities Applications (course plan, study plans, preparation and application of measurement tools), educational and musical games, examples of modern folk dances, description of the game and general characteristics, game teaching.

EGEP 203
Lab. Applications in Science
(Fen Bilimleri Laboratuvar Uygulamaları)
The aim and importance of laboratory in science teaching, safety in laboratory; scientific method, scientific process skills and how they are gained; laboratory tests for primary school (planning, conducting and evaluating the results of experiments), preparation of experimental worksheets and test reports; experiments which can be conducted with simple and inexpensive materials; group work.

EGEP 204
Teaching of Turkish
(Türkçe Öğretimi)
Contemporary methods and techniques that can be used in teaching Turkish; improving reading, writing, listening, speaking skills; identification and elimination of reading difficulties, structure of reading texts, teaching poems, informative and narrative texts, reading and writing texts, constructing meaning from texts, developing vocabulary, media literacy (visual reading and presentation), reading and using technology, questions and types about making meaning from texts; developing critical thinking through
reading and writing; speed reading and techniques; teaching and methods of main idea; aims, types and rules of reading; evaluation of reading, writing, listening, speaking and understanding; examining the primary school Turkish curriculum and its relation to other courses will be covered.

EGEP 205
Teaching Early Literacy
(İlkokuma ve Yazma Öğretimi)
Reading and its importance, listening, speaking, visual reading and visual presentation; reading, writing, learning areas and their relationship, the properties of Turkish and its effect on first reading and writing teaching; reading and writing teaching approaches, the aims and principles of first reading and writing teaching, basic characteristics of first grade teachers and students in terms of initial reading and writing instruction; readiness to read and write (student) and preparation (teacher), failure and reasons for teaching and writing in the first reading, tools and materials used in the teaching and writing of the first reading (properties of vehicles, selection, creation and use); methods used in primary reading and writing teaching (definitions, characteristics, classification, applications, superiority and limitations of methods); sound based sentence method (definition, principles, properties, stages and application), reading and writing instruction in accordance with the stages of the sound based sentence method, the development of vocabulary, evaluation of the first reading and writing, the first reading and writing teaching and use of technology.

ELECTIVE COURSES

EGEP 250
Disasters and Disaster Management
(Afetler ve Afet Yönetimi)
Concepts of disaster and risk; disaster risk and mitigation; disaster training and its importance; preparation for disasters, intervention to disasters, disaster recovery; natural and human disasters; effects of disasters on Sustainable Development; climate change and meteorological disasters; studies in reducing disaster damages in Turkey and the world; earthquake regulations; effectiveness in disaster management; disaster management cycle; disaster terminology; coordination in disaster management; emergency and project presentations.

EGEP 251
Children’s Literature
(Çocuk Edebiyatı)
The development of children’s literature in the World and Turkey; the importance of acquainting with qualified children’s books in childhood and the function of children’s literature works in raising sensitive individuals who have acquired a reading culture; illustrating unqualified children’s books with examples and discussing their negative effects on children’s developmental characteristics; studies to determine the appropriateness of pre-service teachers’ books to children according to their age groups and to which children contribute to their development; identifying the contribution of various literary genres (epic, fairy tale, poem, story, novel etc.) and linguistic tools (census, rhymes, riddles etc.) to children’s development.
EGEP 252
Child Psychology
(Çocuk Psikolojisi)
Basic concepts in child psychology; history of child psychology; main approaches/methods in child psychology; characteristics of different stages of development (Prenatal, Infancy, Early Childhood, Middle Childhood); child within family structure; child within school structure; adaptation and behavior problems in childhood; student with special needs.

EGEP 253
Textbook Analysis in Primary School
(İlkokul Ders Kitapları İncelemesi)
To be able to comprehend the principles to be used in the selection and arrangement of textbooks in primary school; examine the textbooks used in practice in terms of curriculum; examine the theory, approach, philosophy and elements of the program (aim, content, teaching-learning processes, evaluation) and examine the textbooks in terms of these elements and the criteria (scientific, language, content and physical characteristics) that are taken into consideration in preparing the textbook.

EGEP 254
Primary School Curriculum
(İlkokul Programı)
Basic concepts related to curriculum; main components, goals (behavioral objectives), and learning domains of primary school curricula; philosophical, historical, psychological, and social foundations of primary school curricula.

EGEP 255
Alternative Education in Primary School
(İlkokuldaAlternatifEğitimUygulamaları)
Geographical, social, and economic factors influencing the Turkish education system, practices and policies on meeting the needs of students in rural and dispersed areas; mobile teaching, advantages and disadvantages of mobile teaching; regional primary boarding schools, advantages and disadvantages of regional primary boarding schools; teaching in multigrade classes, factors leading to multigrade classes, the rationale for teaching in multigrade classes, instructional planning in multigrade classes, classroom management in multigrade classes, assessment/evaluation in multigrade classes, roles of teachers in multigrade classes, exemplary practices of teaching in multigrade classes in different countries.

EGEP 350
Inclusive Language Teaching
(KapsayıcıDilÖğretimi)
Developing and applying enriched language teaching activities for students who may not develop adequate reading, writing, speaking, listening, and visual literacy skills; methods/techniques of literacy teaching for students whose mother tongue may be different; methods/techniques of literacy teaching for students who might be from different socio-economic statuses with different levels of language readiness, methods/techniques of literacy teaching for students who might not develop adequate language skills
due to different factors in school and family (e.g., teacher change, adaptation problems, insufficient conditions at home, domestic violence); teaching Turkish as a foreign/second language to immigrant students and related approaches, methods, techniques, and practices.

**EGEP 351**  
**Education of Children At Risk**  
*(Risk Altındaki Çocuklar ve Eğitimi)*  
Risk factors and effects, groups of children caused by risk factors; children living and working on the streets, working children connected to sectors, shattered family children, children in need of protection, crime-oriented children, children who neglected and abused, children at developmental risk, children living in unfavorable environmental conditions and their characteristics, critical elements in their education, measures to be taken, projects implemented in Turkey and other countries of the children at risk.

**EGEP 352**  
**Assessment of in Class Learning**  
*(Sınıf İçi Öğrenmelerin Değerlendirilmesi)*  
Assessment and evaluation methods/techniques in education and their characteristics; traditional assessment and evaluation methods/techniques: essays, short-answer questions, true/false questions, multiple-choice questions, matching questions, oral exams; alternative assessment and evaluation methods/techniques: observation, interview, performance evaluation, portfolio, research papers, research projects, peer evaluation, self-evaluation, attitude scales; basic principles of assessment and evaluation; assessment and evaluation of student outcomes and grading.

**EGEP 353**  
**Teaching of Social Skills**  
*(Sosyal Beceri Öğretimi)*  
Definitions of the concept of social skill, its dimensions and the relationships among those dimensions; developing students’ social skills and related methods and techniques; identifying target social skills; analyzing the social skill, modeling the social skill, helping students role-play and imitate the social skill; assessment and evaluation of social skills generalizing social skills and examining primary school curricula; identifying exemplary social skills and applying sample activities.

**EGEP 354**  
**Child and Education in Turkish Culture**  
*(Türk Kültüründe Çocuk ve Eğitim)*  
Definition of culture; the relationship between education and culture; the place of culture in child development and education; development and characteristics of Turkish culture; children in Turkish culture; the place and value of child in Turkish society and family, child education, characteristics and elements of Turkish culture from past to present.
DEPARTMENT OF FOREIGN LANGUAGE EDUCATION

Chair
Prof. Belgin Aydın

Academic Staff

* Research Assistant

Undergraduate Program in English Language Education

The English Language Education undergraduate program within the Department of Foreign Language Education at TED University serves the community with faculty members and research assistant.

The English Language Education program provides training to teacher candidates for teaching levels from kindergarten to university. The candidates can work as English language teachers at various institutions (public or private) and at various levels (kindergarten to university language schools). The program tries to enrich teacher candidates’ intellectual capabilities as well as pedagogical knowledge through its diverse course content. The ICT infrastructure at the university is well integrated to curricula to offer candidates a comprehensive framework of technology integration and use. The department hosts up-to-date and real-life related learning environments through distinguished academic staff.

Program Outcomes

Graduates of the English Language Education program will demonstrate the following learning outcomes:

1. Use the source and target language accurately and effectively to access, produce and share knowledge within the communicative context (English: Common European Framework of Reference for Languages, B2 level and up),
2. Manage life-long learning processes in line with their learning needs,
3. Interpret research-based data by defining concepts, theories and cases in their field or a specific field of study,
4. Use information and communication technologies for personal and professional purposes as required in disciplinary areas
5. Produce solutions to current problems by contributing to the development and preservation of universal, local, artistic and cultural values,
6. Develop or adapt language teaching materials considering the individual, social, cultural differences, needs and interests of students,
7. Utilize appropriate pedagogical strategies, methods and techniques considering student needs, their developmental characteristics, individual differences, subject area features and competences,
8. Use a variety of assessment and evaluation methods and techniques to monitor and record the development and learning processes of students as well as to make instructional plans,
9. Develop professional knowledge and skills continuously as an individual and a community member,
10. Act in accordance with principles of democracy, human rights, scientific and professional ethical values regarding personal and professional duties, rights and responsibilities.
### Undergraduate Curriculum
(2017-2018 and Before)

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**Totals expected for graduation**

|        | 117 | 40  | 2   | 138 | 240 |
Undergraduate Course Descriptions
(2017-2018 and Before)

ELE 201 (3+0+0) 3 Credits / 5 ECTS
Contextual Grammar I
(Bağlamsal Dilbilgisi I)
Advanced level language patterns and sentence structures; the relationships between language
structures and lexical items; the attribution of meaning by means of these structures; analysis of language
structures within a context; different meanings of structures in different contexts, and high level text
analyses.

ELE 202 (3+0+0) 3 Credits / 5 ECTS
Contextual Grammar II
(Bağlamsal Dilbilgisi II)
Descriptive analysis of advanced level structures (e.g. word classes, elements of the sentence, types of
sentences, fragments etc.); analysis of the most problematic forms of English grammar; description of
the factors that influence use of grammar and vocabulary in speech and writing; accurate use of English
grammar and vocabulary in the contexts that require structurally and intellectually complex language
use.

ELE 203 (3+0+0) 3 Credits / 5 ECTS
Listening and Pronunciation
(Dinleme ve Sesletim)
Analysis of authentic listening materials and speech samples used in different discourses; formulating
phonetic transcriptions of problematic sounds; higher order listening skills; the fundamentals of listening
and phonetics namely vowels, consonants, stress in words, rhythm and intonation; the use of phonetic
alphabet for accurate pronunciation.

ELE 204 (3+0+0) 3 Credits / 5 ECTS
Oral Communication Skills
(Sözlü İletişim Becerileri)
Communication-oriented speaking such as discussions, debates, individual and group presentations;
the use of formal and informal language; informative and persuasive presentations; supra-segmental
features (pitch, stress and intonation); the use of audio visual aids and techniques.

ELE 205 (3+0+0) 3 Credits / 5 ECTS
Language Acquisition
(Dil Edinimi)
First and second language acquisition theories; stages of language acquisition and comparison of first
and second language acquisition; factors affecting second language acquisition (e.g., age, attitude,
motivation); comparing language acquisition of children and adults; role of language acquisition in foreign
language teaching.
ELE 206  
English Literature I  
(İngiliz Edebiyatı I)  
Cultural history of British and American literature and literary works written in English; fundamental terms and techniques used in text analysis; major genres and styles in literature; important movements and periods; the content and style of various literary texts such as short story, poem, drama and novel representing different periods and genres of English literature; literature’s contribution to our understanding of life; critical interpretation of literary arts.

ELE 207  
Linguistics I  
(Dilbilim I)  
Basic concepts in linguistic analysis; the nature, structure and use of language; the components of language as a system; phonetics; phonology; semantics.

ELE 208  
Linguistics II  
(Dilbilim II)  
Morphology; free and bound morphemes, compounds, inflectional and derivational morphology, morphemic analysis, morphological typology of languages, analysis of the internal hierarchical structure of words; syntax: word categories, phrase and clause structure, transformational-generative grammar, government and binding, minimalist program, argument structure, theta-roles; pragmatics: deixis, implicature, conversational maxims, speech acts and politeness. sociolinguistics; dialects, register, style; discourse: criteria for textuality, types of cohesive devices, discourse connections and functions.

ELE 209  
Approaches to ELT  
(İngilizce Öğretiminde Yaklaşımlar)  
Overview of methods and approaches (Grammar Translation Method, Direct Method, Audio-lingual Method, Silent Way, Community Language Learning, Suggestopedia, Communicative Approach, the Natural Approach); analysis of pedagogical implications of methods and approaches; discussion of current issues and practices in ELT (Eclectic Method, Content Based Instruction, etc.)

ELE 210  
ELT Methodology I  
(Özel Öğretim Yöntemleri I)  
Language teaching methodology; course and syllabus design; types of syllabus; lesson planning; classroom management; European Language Portfolio and Common European Framework of Reference for Languages.

ELE 301  
English Literature II  
(İngiliz Edebiyatı II)  
Developments in British literature since the Renaissance; historical background for each period; the latest period of the Renaissance, the Restoration Period, the Romantics, the Victorian Age and Twentieth Century; analysis of selected works of the periods.
ELE 302  (3+0+0) 3 Credits / 5 ECTS
Technology-Enhanced Language Learning
(Teknoloji Odaklı Dil Öğrenimi)
Introduction to computer-assisted language learning (CALL) and technology-enhanced language learning (TELL). History of CALL/TELL. CALL/TELL and second language acquisition. Principles of using technology in language classes. The role of technology in language learning and teaching. Appropriate and effective evaluation, selection, adaptation, and use of technological tools for language learning and teaching purposes. Technology-enhanced reading, writing, vocabulary, speaking, listening and pronunciation, and integrated language teaching skills.

ELE 303  (2+2+0) 3 Credits / 5 ECTS
ELT Methodology II
(Özel Öğretim Yöntemleri II)
Classroom based research, action research; microteaching; introduction to the opportunities for continuing professional development; integration of ELT journals and conferences; discussion of the state-of-the-art articles.

ELE 304  (3+0+0) 3 Credits / 6 ECTS
Assessment in ELT
(İngilizce Öğretiminde Değerlendirme)
General concepts of testing and evaluation; test preparation; types of tests; alternative assessment methods.

ELE 305  (3+0+0) 3 Credits / 5 ECTS
Curriculum Development in Language Teaching
(İngilizce Öğretiminde Program Geliştirme)

ELE 306  (2+0+0) 2 Credits / 4 ECTS
Second Foreign Language I
(İkinci Yabancı Dil I)
Basic communication; structures and vocabulary necessary to comprehend simple daily conversational dialogues and reading texts, and to engage in daily simple communication in German/Spanish language.

ELE 307  (2+2+0) 3 Credits / 5 ECTS
Teaching English to Young Learners
(Çocuklara Yabancı Dil Öğretimi)
The differences between young learners and learners at other ages; classroom management; multiple intelligence; various activity types (e.g., games, songs, and craft); (digital) storytelling; assessment and evaluation.
ELE 401  (3+0+0) 3 Credits / 6 ECTS
Materials Adaptation and Development
(Yabancı Dil Öğretiminde Materyal İnceleme ve Geliştirme)
Theory and principles of ELT materials design (e.g. selecting, adapting, developing and evaluating materials); evaluation of materials and textbooks used in EFL settings; language material and textbook evaluation criteria; relating material design to the current ELT methodology.

ELE 402  (2+0+0) 2 Credits / 4 ECTS
Second Foreign Language III
(İkinci Yabancı Dil III)
Intermediate level oral and written communication skills; complex grammatical structures and intermediate level vocabulary items used in a variety of authentic texts; information about the culture of the target language through authentic materials.

ELE 403  (1+6+0) 4 Credits / 9 ECTS
Practice Teaching I
(Okullarda Uygulama I)
Lesson plan preparation and implementation; receiving feedback from the course instructor about the implementation; receiving learner feedback; sharing and discussing the practice with the supervisor; making necessary adjustments and reporting them.

ELE 404  (1+8+0) 5 Credits / 11 ECTS
Practice Teaching II
(Okullarda Uygulama II)
Lesson plan preparation and implementation; receiving feedback from the course instructor; receiving learner feedback; sharing and discussing the practice with the supervisor; making necessary adjustments and reporting them.

ELE 405  (2+0+0) 2 Credits / 4 ECTS
Second Foreign Language II
(İkinci Yabancı Dil II)
Interactive communication; grammatical structures and vocabulary commonly used in newspapers, magazines, extended dialogues, readings texts, and short stories; information about the culture of the target language through authentic materials.
## Undergraduate Curriculum
(2018-2019 and After)

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### Undergraduate Course Descriptions
(2018-2019 and After, 1st and 2nd Year Courses)

#### COMPULSORY COURSES

**ELEP 101 (2+0+0) 2 Credits / 2 ECTS**

**Reading Skills I**
(Okuma Becerileri I)

Comprehending contrasting viewpoints by using various authentic reading texts such as newspapers, journals, reviews and academic texts; mastering higher order reading skills by predicting and identifying main ideas and decoding intersentential cues; equipping students with intensive and extensive reading habits; developing critical thinking skills based on synthesizing, analyzing and evaluating information.

**ELEP 103 (2+0+0) 2 Credits / 2 ECTS**

**Writing Skills I**
(Yazma Becerileri I)

Developing academic writing skills, distinguishing between specific and general ideas, distinguishing between opinions and facts, identifying audience and purpose, producing paragraphs and essays of advanced level, distinguishing between different types of genres such as description, classification, comparison and contrast, narrative, argumentation, and etc., developing cohesion and coherence, writing as a process, and evaluating the writing of others.

**ELEP 105 (2+0+0) 2 Credits / 2 ECTS**

**Listening and Pronunciation I**
(Dinleme ve Sesletim I)

Analyzing authentic listening materials and speech samples used in different discourses; basic listening and phonetic skills such as discriminating minimal pairs and formulating phonetic transcriptions of problematic sounds; higher level listening skills and strategies; the fundamentals of listening and phonetics namely vowels, consonants, stress in words, rhythm and intonation as well as the usage of phonetic alphabet for learning and production.
ELEP 107  
Oral Communication Skills I  
(Sözlü İletişim Becerileri I)  
Overcoming the difficulties which are likely to occur during informal conversations, class discussions, oral reports and formal speech forms; improving student recognition and use of English language while participating in class discussions, as well as express opinions, debate, and negotiate conversation; synthesizing different oral information, and ideas by organizing, comparing, interpreting, giving descriptions, and stating main ideas of the oral information; developing critical thinking skills to defend opinions by making judgments about the received information, or the validity of ideas.

ELEP 102  
Reading Skills II  
(Okuma Becerileri II)  
Making inferences and deductions, and reading between the lines; identifying direct and indirect, literal and non-literal meanings by analyzing the information in the text; responding to texts through short written and verbal personal views; realizing the possible difference between the reader’s perceived and writer’s targeted meaning.

ELEP 104  
Writing Skills II  
(Yazma Becerileri II)  
Writing sophisticated texts of different genres, demonstrating awareness of the demands of academic writing in a variety of genres, identifying plagiarism and avoiding plagiarism in writing, choosing reliable sources (e.g., journal articles, book chapters, newspaper articles, online readings and videos, etc.) relevant to the topic of the writing task, evaluating arguments, critically analyzing and synthesizing information from different sources, responding appropriately to thoughts, opinions and work of others using APA citations and referencing, and fluently drafting, evaluating, and editing own and others’ academic texts.

ELEP 106  
Listening and Pronunciation II  
(Dinleme ve Sesletim II)  
Exposure to an increased variety of listening texts both informal and academic, expanding listening comprehension and critical analysis, improving listening strategies, demonstrating comprehension of the main idea, major points and important details related to the listening text, increasing skills in note-taking, critically analyzing audio and video content for elements, distinguishing fact from opinion, recognizing the communicative purpose or the attitude and style of the speaker, making inferences based on the text listened, making connections among pieces of information listened, recognizing topic changes or introductions and conclusions in the listening material, etc.
ELEP 108  (2+0+0) 2 Credits / 3 ECTS
Oral Communication Skills II
(Sözlü İletişim Becerileri II)
Effective use of English in a variety of communication-oriented activities that require clarity of expression and critical assessment of other’s positions including discussions, debates, individual and group presentations, informative and persuasive presentations, and interviews; learning the appropriate use of both formal and informal English language; effective use of supra-segmental features of the language (pitch, stress, and intonation) as well as delivering informative and persuasive presentations with the active use of technology including audio visual aids and techniques.

ELEP 110  (2+0+0) 2 Credits / 2 ECTS
The Structure of English
(İngilizcenin Yapısı)
Study of the word and sentence structures of English; simple, compound and complex sentence structures; contextual uses of time, mood, voice and aspect.

ELEP 201
Approaches in English Language Learning and Teaching
(İngilizce Öğrenme ve Öğretim Yaklaşımları)
The functions of learning and teaching English; the purpose of teaching English with reference fundamental principles; history of English language teaching; the reflections of English language teaching on the approaches to learning and teaching English language; main skills in English language teaching; classroom implementation samples; recent trends and issues in English language teaching; components of effective English language teaching; a social, cultural, and economic look into English language teaching.

ELEP 202
Curriculum in ELT
(İngilizce Öğretim Programları)
Basics terms and concepts of curriculum / instructional program; a historical development of English curriculum; curriculum approaches, content, targeted language skills, learning domains and subdomains (subdivisions) of the present day English curriculum; distribution of learning outcomes by grades and limits and their relation with other courses; inter-relationships among English curricula at educational stages from primary and middle to high schools; approaches, methods, techniques, equipment and materials used in implementing English curriculum; testing and assessment approaches; teacher competencies.

ELEP 203
Linguistics I
(Dilbilimi I)
Basic concepts of linguistic analysis; concept of language nature, structure and use with awareness-raising, error analysis of language learners’ data, case study and comparative analysis of mother language and foreign language; language components as a system; linguistic competence and action, lower branches of linguistics, types of linguistic knowledge, linguistic universals, linguistic creativity, linguistic lack of reason, sign languages, artificial languages and intercultural communication; research
on brain and language, lateralization and handing, language evolution, human language functioning, language use and language disorders (e.g. simultaneous listening test, divided brain, WADA test); phonetics, acoustics, affective and phonetics, speech organs, phonemes, vowels and consonants, international phonetics alphabet, double famous, triple famous, singing style and place.

**ELEP 204**
**Linguistics II**
(Dibilimli II)
Error analysis of the outputs of language learners, case studies and contrastive analysis of L1 and L2, concepts about language nature, structure and use, morphology, bound and free morphemes, blends, inflectional and derivational morphemes, morphological analysis, morphological language typology, analysis of hierarchical deep structure, morphophonemic variants, syntax, phrases, clauses and sentence structure, transformational generative grammar, government and binding, minimalist program, constituent structure and role; pragmatics, reference, implicature, conversational maxims, speech acts and politeness, sociolinguistics, accent, register, style, standards of textuality, cohesive devices, discourse connections, functions, discourse situation, institutional discourse.

**ELEP 205**
**Critical Reading and Writing**
(Eleştirel Okuma ve Yazma)
Analyzing and summarizing selected updated written studies in the field of English Language Teaching; Localizing the information from the selected studies after critically analyzing them in their own contexts; Comparing the texts that present different arguments to create their own original relevant texts.

**ELEP 206**
**Language Acquisition**
(Dil Edinimi)
First and second language acquisition theories (behaviorism, innatism, information processing, connectivist models, interactionist position); stages and processes of first and second language acquisition; case studies, comparative analysis of first and second language use from lexical data, transcription of second language classroom interactions and comparison of first and second language acquisition using transcriptions; first language acquisition developmental stages, second language form-syntactic developmental stages, second language acquisition processes, learner characteristics and factors individual differences in second language acquisition (e.g., the effect of personality, aptitude, intelligence, age, motivation and attitude, learner preferences and beliefs); differences of first and second language learning contexts (e.g., natural and instructional settings).

**ELEP 207**
**English Literature I**
(İngiliz Edebiyatı I)
The history of British, American literature and literature originally in English, main concepts and techniques used in text analysis, main text types and genre, important periods and literary movements, the content and style of short stories, poems, drama etc. from different periods, the contribution of literature to our understanding of life, critical analysis and evaluation of texts and art.
ELEP 208
English Literature II
(İngiliz Edebiyatı II)
The history of British, American literature and literature originally in English; the periods and main movements in English literature, understanding main concepts, terminology, literary, philosophical and scientific movements by using samples texts from different periods.

ELECTIVE COURSES

ELEP 250
Language and Society
(Dil ve Toplum)
Basic concepts in the interaction of language with society and the individual; geographical and social differences in language societies; linguistics diversity; language and culture, language planning.

ELEP 251
World Englishes and Culture
(Dünya İngilizceleri ve Kültür)
The use of English as an international language; English as a common language and the different varieties of English in the World; the reflection of English as an international language in English language teaching and teacher education; developing students’ awareness of the relation between language and culture and the analysis of the place of culture in language teaching; evaluating the cultural elements by analysing materials such as coursebooks.

ELEP 252
Pragmatics and Language Teaching
(Edimbilimi ve Dil Öğretimi)
Knowledge about basics of pragmatics and models for understanding language in use; politeness theory in English language teaching; and materials design for context-specific utterances in English language.

ELEP 253
English Textbook Analysis
(İngilizce Ders Kitabı İncelemesi)
Physical, educational, visual design and language features and standards that should be found in the course books; the appropriateness of the coursebook contents for the curriculum; the analysis of the content of some of the coursebooks in terms of content, language, suitability for student level, format, attractiveness, contribution to meaningful learning, ease of use in teaching, etc.

ELEP 254
Drama in ELT
(İngilizce Öğretiminde Drama)
The definition and meaning of drama; the terms such as psycho-drama, creative drama, education socio-drama and etc.; the relationship between drama and play; the history of drama practices in education; the structure and stages of drama in education; drama setting and teacher qualities; the assessment of drama; examples from the field that match the educational goal, the development and application of examples.
ELEP 255
Material Design in English Language Teaching
(İngilizce Öğretiminde Materyal Tasarımı)
Using field-specific instructional technologies; types of software and purposes of their use; principles of design and development of materials to be used in teaching of the field; determination of material needs; designing two and three dimensional teaching materials; worksheets; slides; development of teaching materials such as VCD, DVD, MP3 and MP4 files etc.; evaluation of classroom applications done by using different teaching materials.

ELEP 256
Contemporary Approaches in ELT
(İngilizce Öğretiminde Yeni Yaklaşımlar)
Approaches to different student needs such as course design in English Language Teaching, English as second / foreign / international / special purpose / academic language; current practices such as constructivist approach, content-oriented, task-oriented, problem-focused, holistic language teaching, multiple intelligence and holistic language approach; second language / foreign language teaching and cultural teaching in language teaching, use of technology in language classes, place of communication in the developing world and intercultural interaction.

ELEP 350
English Vocabulary Teaching
(İngilizce Sözcük Bilgisi Öğretimi)
English vocabulary focuses on analyzing the relationship between semantics and discourse, and developing the skills of teaching vocabulary with integrated vocabulary skills; students will be given the opportunity to assess the different types of English words, forms of word formation, and different meanings of words in context; elements of vocabulary teaching in the classroom and various text types that can be used in class, resources such as dictionary and corpus and vocabulary teaching techniques are covered; this course also focuses on exams that can be used to measure English vocabulary and teaching / learning strategies that support students’ vocabulary learning.

ELEP 351
English in the Mass Media
(Kitle İletişiminde İngilizce)
Students will be familiarized with published and online mass communication tools such as newspapers, and magazines; they will recognize the features of language used in mass communication and also they will be able to apply this knowledge in their writing; they will be able to analyse and critically evaluate editorial letters, articles and columns; they will be able to understand the validity and reliability of the news items and articles in mass communication; they will be able to write brief news items, headlines, advertisements, editorial letters by using the language features used in mass communication; and they will also be able to analyse how the target language is used to reflect its own cultural properties by looking into real life samples.
ELEP 352
Classroom Assessment
(Sınıf İçi Öğrenmelerin Değerlendirilmesi)
Assessment tools used in education and their characteristics; assessment tools based on traditional approaches: written examinations, short-answer exams, true-false type tests, multiple choice tests, matching tests, oral examinations; tools for multi-faceted recognition of students: observation, interview, performance assessment, student portfolio, research papers, research projects, peer evaluation, self-evaluation, attitude scales; points to be considered in the evaluation of student success; evaluation of learning outcomes and grading.

ELEP 353
Sociolinguistics and Language Teaching
(Sosyodilbilim ve Dil Öğretimi)
In this course where sociolinguistics is defined as the investigation of language in social contexts, information about the research topics in sociolinguistics and their types are provided. The students learn that there are different language usages in the society, and the language use changes depending on the region, social status, and ethnic groups. At the end of the course students will be able to understand the relationship between sociolinguistics and language teaching and understand how language changes within society.

ELEP 354
Discourse Analysis and Language Teaching
(Söylem Çözümlemesi ve Dil Öğretimi)
English language teacher candidates will be able to analyze naturally occurring language use with reference to language skills and teaching practices in various discourse types and understand the importance of discourse for teaching languages. They can also explain the relationship between analysis of discourse and language teaching.

ELEP 355
Teaching Integrated Language Skills
(Tümleşik Dil Becerilerinin Öğretimi)
This course aims to help teacher trainees teach communicative language skills in an integrated way by helping them improve their knowledge and use of teaching methods and techniques, their competence of integrating language skills such as reading, speaking, listening, and writing in a lesson plan for adolescent and adult learners, and their competence of how to integrate grammar, vocabulary, and pronunciation into skill-based lesson plans.
DEPARTMENT OF MATHEMATICS AND SCIENCE EDUCATION

Chair
Asst. Prof. Zerrin Toker

Academic Staff
Asst. Prof. Zerrin Toker, Asst. Prof. Çiğdem Alkaş Ulusoy, Asst. Prof. Elcin Emre Akdoğan, Gizem Güzeller*

* Research Assistant

Undergraduate Program in Elementary Mathematics Education

Elementary Mathematics Education Program in the Department of Mathematics and Science Education at TED University is an undergraduate program, which trains elementary school mathematics teachers for elementary schools from fifth to eighth grades. The main goal of the program is to train highly qualified elementary teachers who are reflective and critical thinkers and capable of showing leadership in their field as well as contributing to the field of elementary mathematics education at both national and international levels.

Upon successful completion of their studies, students are awarded the Bachelor’s degree in Elementary Mathematics Education. Our students who receive an education from a first-rate faculty in state-of-the-art facilities and taking advantage of the rich learning environments provided by the university will be sought after upon graduation and will easily find employment in the school systems in Turkey and the region.

Program Outcomes

Graduates of the Elementary Mathematics Education program will demonstrate the following learning outcomes:

1. Integrate the basic level theoretical and practical mathematics knowledge with elementary mathematics pedagogy.
2. Develop concrete solutions to daily life problems from a mathematical point of view.
3. Critically analyse individual and professional innovations and developments within and outside the field by monitoring them with an interdisciplinary perspective and utilise them efficiently within the teaching-learning process.
4. Use English language efficiently in promoting his/her individual and professional practices.
5. Acquire and analyse information by means of information and communication technology resources in order to accomplish his/her individual and professional goals.
6. Exhibit behavior dedicated to the profession of elementary mathematics teaching, professionalism, life-long learning, ethical values, individual and professional development.
7. Use individual and collaborative skills with all stakeholders of education to support the students’ development in community service projects.
8. Observe his/her own progress in the learning and teaching process, utilizes life-long learning skills.
9. Design learning environments that promote individual and collaborative learning appropriate to students’ developments and cultural diversity.

10. Utilize diverse assessment methods and tools in order to regularly monitor, record and plan the development and learning of the students.

**Undergraduate Curriculum**  
(2017-2018 and Before)

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Totals expected for graduation 99 74 2 136 240
Undergraduate Course Descriptions
(2017-2018 and Before)

MATH 105 (3+0+0) 3 Credits / 5 ECTS
Fundamentals of Mathematics
(Matematiğin Temelleri)

MATH 108 (3+0+0) 3 Credits / 5 ECTS
Discrete Mathematics
(Ayrık Matematik)

MATH 209 (2+0+0) 2 Credits / 4 ECTS
Analytic Geometry
(Analitik Geometri)

MATH 208 (2+2+0) 3 Credits / 6 ECTS
Basic Algebraic Structures
(Temel Cebirsel Yapılar)

MATH 205 (3+2+0) 4 Credits / 7 ECTS
Calculus I
(Analiz I)
MATH 206  
Calculus II
(Analiz II)

MATH 303  
Introduction to Differential Equations
(Diferansiyel Denklemlere Giriş)

MATH 305  
Introduction to Probability and Statistics I
(Olasılık ve İstatistik Teorisine Giriş I)

MATH 306  
Introduction to Probability Statistics II
(Olasılık ve İstatistik Teorisine Giriş II)

MATH 312  
Basic Linear Algebra
(Temel Lineer Cebir)

EME 203  
History of Mathematics
(Matematik Tarihi)
EME 220  
**Middle School Mathematics**  
(Ortaokul Matematiği)


EME 304  
**Assessment and Evaluation in Mathematics Education**  
(Matematik Eğitiminde Ölçme ve Değerlendirme)

Basic concepts of assessments and evaluation. Types of classroom assessments and their development. Grading and reporting. Validity and reliability of qualitative and quantitative data collection tools. Views of international organizations (OECD, IAE, NAEP etc.) on education, and investigating a large scale assessments by the implementation of some studies such as PISA, TALIS, TIMSS, and PIRLS. The assessment frameworks of the achievement tests and the questionnaires of the large scale assessments.

EME 307  
**Child Development and Learning in the Middle Grades**  
(Ortaokul Düzeyinde Çocuk Gelişimi ve Öğrenme)

Characteristics of middle grade students starting from age 8 to 13. Physical, intellectual, social, psychological, moral and ethical development. Understanding young adolescents’ unique brain growth and cognitive development. Learning environments appropriate for these characteristics and its design.

EME 321  
**Teaching Middle School Mathematics**  
(Ortaokul Matematik Öğretimi)

Instructional methods and strategies for teaching fundamental concepts of middle school mathematics. Designing instructional activities which constitutes fundamental concepts. Integrating technology as a teaching tool. Lesson planning from different perspectives and diversification. Instruction and assessment.

EME 302  
**Technology in Mathematics Education**  
(Matematik Eğitiminde Teknoloji)

Benefits and limitations of using educational technologies in mathematics. Using interfaces of the software of technological tools and resources. Integration of the new and developing educational technology such as web-based software, dynamic software, graphical tools (CBR), simulations, calculators. Design, and critique technology-enhanced mathematical activities.

EME 308  
**Nature of Mathematical Knowledge for Teaching**  
(Matematik Öğretiminin Doğası)

The nature of mathematical knowledge needed in mathematics teaching. Their roles in learning. The nature of mathematical knowledge and how it is connected with teaching. Reasons for misconceptions.
EME 381  
Practicum  
(Okul Deneyimi)  
Designing and planning curriculum and learning environments under the supervision of mentor teachers. Teaching as an assistant teacher. Assessing children’s learning. Engaging parents. Attending professional teacher development activities as elementary mathematics teacher.

EME 471  
Research Project  
(Araştırma Projesi)  

EME 406  
Seminar  
(Seminer)  
Become familiar with research in mathematics education. Links between research and practice in mathematics education. Implications for the practice. Critical discussions based on the readings. Guests from the relevant field and virtual seminars from the international and national experts in the field.

EME 481  
Student Teaching I  
(Öğretmenlik Uygulaması I)  

EME 472  
Capstone Experience  
(Bitirme Projesi)  
Putting all the skills and knowledge acquired throughout undergraduate studies into practice. Creating a professional teacher portfolio (content of the portfolio: developmentally appropriate teaching activities, samples of instructional plans, evidence that shows appropriate Math. education learning environment design, samples of work related to school, family and community relationships, samples of assessment activities, evidence of participation in professional development activities). Presentation of this professional portfolio.

EME 482  
Student Teaching II  
(Öğretmenlik Uygulaması II)  
Undergraduate Curriculum
(2018-2019 and After)

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**TOTAL** 19 2 0 20 30

### Semester 5

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**TOTAL** 20 0 0 20 30

### Semester 6

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## Semester 7

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## Semester 8

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Totals expected for graduation

|                          | 139 | 14 | 0  | 146 | 240 |

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**Undergraduate Course Descriptions**  
*(2018-2019 and After, 1st and 2nd Year Courses)*

**MATH 101**  
*(2+0+0) 2 Credits / 2 ECTS*

**Fundamentals of Mathematics I**  
*(Matematiğin Temelleri I)*

Topics in numeracy and algebra strands of mathematics curriculum: Natural numbers, operations with natural numbers, fractions, operations with fractions, decimals, percents, factors and multiples, sets, integers, operations with integers, rational numbers, operations with natural numbers, ratio, ratio and proportion, powers and square roots, algebraic expressions, equality and equations, linear equations, algebraic expressions and identities, inequalities. Fundamental concepts in contents and their properties, relationship between those concepts, discussing the concepts, converting different representations of the concepts to eachother.
MATH 102  
Fundamentals of Mathematics II  
(Matematiğin Temelleri II)
Topics in geometry and statistics and probability strands in mathematics curriculum: Basic geometric concepts and drawings, triangles and rectangles, triangles, measuring length and time, measuring area, geometric shapes, angles, lines and angles, circles, circles and circular area, measuring liquids, transformational geometry, polygons, views of objects from different perspectives, equality and similarity, data collection and evaluation, basic concepts and characteristics of data analysis. Fundamental concepts in contents and their properties, relationship between those concepts, discussing the concepts, converting different representations of the concepts to each other.

MATH 103  
Calculus I  
(Analiz I)
Sets and number systems; relation, function types, exponential functions and logarithmic functions; limit, continuity concepts and applications; derivative, derivative applications and graphical expressions.

MATH 104  
Calculus II  
(Analiz II)
Trigonometric functions, trigonometric relations, trigonometric equation solutions; complex numbers and characteristics; Riemann sum, definite integral, indefinite integral, integration methods, applications of integral, improper integral, series and convergence tests.

MATH 105  
History of Mathematics  
(Matematik Tarihi)
The position of mathematics history in mathematics education; Ancient Egyptian mathematics; Ancient Greek mathematics; Far East mathematics; Islamic world mathematicians; the birth of contemporary mathematics; historical development of mathematical concepts.

MATH 106  
Discrete Mathematics  
(Soyut Matematik)
Symbolic logic and proof techniques; sets, algebra of sets, partition of sets, product sets; inverse relation, composition of relations, equivalence relations and equivalence classes, ordered relation; partial ordered set, full ordered set; functions, an one-to-one and onto functions, composition of functions, inverse functions, permutations, operations.
MATE 201
Learning and Teaching Approaches in Mathematics
(Matematik Öğrenme ve Öğretim Yaklaşımları)
The nature of mathematics and mathematical thinking; the meaning of mathematics learning and teaching; aim and basic principles of mathematics teaching; history of mathematics teaching; reflections of learning and teaching approaches on mathematics teaching; fundamental skills in mathematics teaching; in-class examples of teaching; current trends and problems in mathematics teaching; components of effective mathematics teaching; looking at mathematics teaching from social, cultural and economic aspects.

MATE 202
Middle School Mathematics Curricula
(Ortaokul Matematik Öğretim Programları)
Fundamental concepts about curriculum; the development of middle school mathematics curriculum from past to present; the approach, content, and skills of current middle school mathematics curriculum; learning and sub-learning areas; distribution and boundaries of learning objectives by grade levels, relationship of mathematics curriculum with other disciplines; the relationship of middle school mathematics curriculum with elementary and high school mathematics curriculum; methods, techniques, tools and materials used; measurement evaluation approach; teacher qualifications.

MATE 203
Linear Algebra I
(Lineer Cebir I)
Matrices, operations with matrices, special types of matrices; elementary operations, echelon matrix, elementary matrices and inverse of a matrix, rank of a matrix; determinant, properties of determinant function; Systems of linear equations, methods of solving systems of linear equations (Gaussian elimination, Gauss-Jordan reduction, inverse matrix and cramer method).

MATE 204
Linear Algebra II
(Lineer Cebir II)
Vector spaces, subspaces, linear independence, linear combinations; stretching, base and dimension; linear transformations, core and image of a linear transformation; isomorphics, self-values and self-vectors; characteristic polynomials; diagonalization, inner product spaces, orthogonality of vectors, orthonormal vector sets.

MATE 205
Analytic Geometry
(Analitik Geometri)
Cartesian coordinates in plane and space; vectors in plane and space; lines in the plane; lines and planes in three-dimensional space; reflections by line and plane; the relationships of point-line, line-plane and planes with each other; translation and rotation in plane.
MATE 206  
Algorithm and Programming  
(Algoritma ve Programlama)  
Design of an algorithm; flow diagrams, input-output concepts, loops, decision structures, decision making and development of appropriate algorithms for cyclic problems; applications of programs (such as scratch, code.org) using algorithms and flowcharts by visualization; using appropriate function to create appropriate solution algorithms; developing appropriate solution algorithms using single and double dimensional sequences; coding and applications of generated algorithms in Computer Algebra Systems.

MATE 207  
Calculus III  
(Analiz III)  
Multivariable functions; IRn's topology, limit, continuity, sequences of functions and series; derivative, directional derivative, partial derivative, geometric interpretation of partial derivative, higher order derivatives and chain rule.

MATE 208  
Probability  
(Olasılık)  
The fundamental principle of counting; concept of permutation and its applications; concept of combination and its applications; binomial theorem, the concept of probability, fundamental concepts related to probability and axioms of probability; conditional probability and Bayes' theorem; geometric probability problems; random variable concept; probability function, probability density function; expected value and variance of random variables; moment generating functions and moments; some discrete distributions, Bernoulli, binomial, geometric, hypergeometric, Poisson distributions; some continuous distributions, uniform distribution, exponential distribution, normal distribution and properties.

MATE 250  
Computer Assisted Mathematics Teaching  
(Bilgisayar Destekli Matematik Öğretimi)  
The importance of technology in mathematics teaching; use of software such as Computer Algebra Systems (CAS) and Dynamic Geometry Systems (DGS), producing and implementing interactive activities through these softwares; evaluation of student products.

MATE 251  
Culture and Mathematics  
(Kültür ve Matematik)  
Relationship between mathematics and culture; defining mathematical concepts in their cultural contexts, mathematical thinking structures of different cultures, basic principles of research in the field of ethnomathematics, the relationship between mathematics-anthropology-linguistics; the importance of including ethnomathematic studies in classroom applications; designing in-class mathematical activities for different cultural contexts.
MATE 252
Mathematics Teaching in Primary School
(İlkokul Matematik Öğretimi)
The objectives of primary school mathematics teaching, basic principles; analysis of primary mathematics curriculum from the aspects of the aim, content, philosophical approach, teaching methods, evaluation and evaluation techniques; mathematical understanding of primary school students, misconceptions and difficulties in primary school students; measurement and assessment in primary school mathematics.

MATE 253
Mathematics Textbook Analysis
(Matematik Ders Kitabı İncelemesi)
Physical, educational, visual design and language expression features and standards that should be included in the textbook; the appropriateness of the content of the textbooks to the program; analysis of current textbooks based on the aspects of content, language, student level, format, attractiveness, contribution to meaningful learning, ease of use in teaching etc.

MATE 254
Inclusion Practices in Mathematics Education
(Matematik Eğitiminde Kaynaştırma Uygulamaları)
Definition and basic principles of inclusion; characteristics of inclusion students; social relations of inclusion students with other students and their teaching situations, advantages and disadvantages of being labeled; supporting the inclusion students with individualized education programs in the mathematics lesson; part-time and full-time inclusion applications and evaluation.

MATE 255
Self-regulation in Mathematics Education
(Matematik Eğitiminde Özdüzenleme)

MATE 350
Activity Development in Mathematics Teaching
(Matematik Öğretiminde Etkinlik Geliştirme)
The purpose and importance of using activities in mathematics teaching; characteristics of activities used in mathematics teaching; issues to be considered in the preparation and implementation of activities; evaluation of sample activities; activity development; measurement and evaluation in activity based classes.
MATE 351  
Materials Design in Mathematics Teaching  
(Matematik Öğretiminde Materyal Tasarımı)  
Using field-specific instructional technologies; types of software and purposes of their use; principles of design and development of materials to be used in teaching of the field; determination of material needs; designing two and three dimensional teaching materials; worksheets; slides; development of teaching materials such as VCD, DVD, MP3 and MP4 files etc.; evaluation of classroom applications done by using different teaching materials.

MATE 352  
Out-of-School Learning Environments in Mathematics Teaching  
(Matematik Öğretiminde Okul Dışı Öğrenme Ortamları)  
The scope and importance of out-of-school learning; mathematics teaching in out-of-school environments; teaching methods and techniques (project-based learning, environment-based teaching, etc.) appropriate for out-of-school learning; out-of-school learning environments (museums, science centers, zoos, botanical gardens, industrial establishements, national parks, science festivals, science camps, natural environments, rural areas etc.); planning and implementation and evaluation of out-of-school learning activities.

MATE 353  
Communication in Mathematics Classrooms  
(Matematik Sınıflarında İletişim)  
Recognizing that mathematics is a language with its own symbols and terminology, using the symbols and terms of mathematics effectively and correctly, using mathematical language in mathematics itself and in an appropriate and effective way in different disciplines and life, expressing mathematical ideas using different forms of representation such as concrete model, shape, picture, graphic, table, symbol etc. expressing mathematical thoughts verbally and by writing, connecting daily language with mathematical language and symbols, connecting mathematical language with daily language and symbols; interpreting the accuracy and meaning of mathematical ideas.

MATE 354  
Teaching Mathematics to the Gifted  
(Üstün Yetenekli Öğrencilere Matematik Öğretimi)  
Recognition of gifted students in mathematics, advantages and disadvantages of labeling; characteristics of gifted students, development of giftedness in mathematics, program preferences for gifted students, differentiation, enrichment, acceleration for gifted students, supporting gifted students in class, social relations with gifted students; individualized education programs for gifted students.
MATE 355
Teaching Mathematics Through Play
(Oyunla Matematik Öğretimi)
Game and game types; the importance of games in mathematics teaching; theoretical approaches to play; logic, mathematics, intelligence games/puzzles; mathematics and game interaction; examination of some games developed by mathematicians; cultural math games, game theory; technology supported math games.

MATH 356
Assessment of In-Class Learning
(Sınıf İçi Öğrenmelerin Değerlendirilmesi)
Assessment tools used in education and their characteristics; assessment tools based on traditional approaches: Written examinations, short-answer exams, true-false type tests, multiple choice tests, matching tests, oral examinations; tools for multi-faceted recognition of students: observation, interview, performance assessment, student portfolio, research papers, research projects, peer evaluation, self-evaluation, attitude scales; points to be considered in the evaluation of student success; evaluation of learning outcomes and grading.
FACULTY OF ENGINEERING

Dean's Statement

TED University Faculty of Engineering, founded in 2012, offers the best of a liberal university atmosphere enriched with the academic and technical resources of a world-class institution. The Faculty is matchlessly organized to create the technological leaders of tomorrow. Our goal is to position our graduates among the problem solvers, project leaders, communicators, and ethical members of the global professional community.

Through innovative curricula, teamwork approaches, and leadership-building experiences, TED University Faculty of Engineering students gain vital communication and critical-thinking skills. We offer our students a student-centered environment. Our faculty members are dedicated to keeping up with the trends in science and technology in their respective fields and pay utmost importance to assure an outstanding teaching and learning quality in the class. Our students have the chance to get a rich educational experience to develop themselves by following minor programs coupled with elective courses while acquiring in-depth knowledge in their chosen field. They also benefit from the diverse cultural and intellectual climate of the TEDU campus located in the heart of Ankara, the capital of the Republic of Turkey.

Students admitted to the Faculty of Engineering programs follow a common core curriculum during the first year. In their first year, the students are offered an undergraduate program to provide them with interdisciplinary skills in the fields of English, computer literacy, mathematics, physics and other elective fields of their interest. Students enrolled in TED University engineering programs have the privilege to decide on their major after finishing their first year courses. This way, our students have an excellent opportunity to mature their decisions by exploring their future professional fields over a longer period of time within the grounds of TEDU. Our students have the chance to choose from five major engineering disciplines, which include Civil Engineering, Computer Engineering, Electrical and Electronics Engineering, Industrial Engineering and Mechanical Engineering. The general background knowledge provided by the first year courses, career orientation seminars offered by the University and their own interests will provide our students with greater insight as to which field of engineering they wish to pursue.

Within a greater societal context, the graduates of TEDU Faculty of Engineering should demonstrate themselves by:

- Applying knowledge, strong reasoning, cognitive and quantitative skills to design and implement original, innovative and sustainable solutions
- Exhibiting strong communication, interpersonal, and resource-management skills as leaders in the profession
- Acting professionally and ethically
- Displaying teamwork skills
- Engaging in life-long learning to face the future challenges

Continuous follow up studies are underway, in collaboration with the TEDU Quality Assurance and Enhancement Unit, to assess whether these targets have been reached and to decide what further actions can be taken.

I invite you to become better acquainted with the TED University Faculty of Engineering through the web pages of our Departments and through a visit to our beautiful campus.

Prof. Güney ÖZCEBE, Dean
DEPARTMENT OF CIVIL ENGINEERING

Chair
Assoc. Prof. Cem Akgüner

Academic Staff

* Research Assistant

Undergraduate Program in Civil Engineering

Engineering is the application of scientific and technical knowledge along with economic and social principles to real-life problems. Civil engineering is the oldest branch of engineering and aims at increasing the quality of life by striving to provide better solutions for the most fundamental needs of all humans. The civil engineers are involved in the planning, design, construction, and operation of the built environment above- and below-ground, which includes building and housing systems, transportation systems, and systems for the protection and use of air and water resources.

The civil engineering students at TED University will obtain a broad background in mathematics and the physical sciences along with their applications to all areas of civil engineering. The flexible curriculum of the Civil Engineering Department allows students to make their selections from a wide range of elective courses, which includes the areas of civil engineering of most interest to the students, and courses in the humanities and social sciences. Furthermore, a balanced focus on both the depth and breadth of knowledge is the most critical feature of the civil engineering curriculum at TEDU.

The graduates of the civil engineering program of TEDU are expected to solve civil engineering problems within a greater societal context. They will have a professional and ethical conduct and will be able to apply knowledge, strong reasoning, and quantitative skills to design and implement creative and sustainable solutions. They will engage in lifelong learning in meeting the forthcoming challenges facing the profession. Last but not the least, our graduates will exhibit strong communication, interpersonal, and resource-management skills as future leaders in the civil engineering profession.

The first year of the undergraduate program is common to all engineering disciplines. The studies on mechanics, materials and applied mathematics begin in the second year. The third year aims at building the basic theoretical background in major sub-disciplines of civil engineering. These include geotechnical engineering (behavior of soils, design of foundations), structural engineering (analysis and design of reinforced concrete and steel structures), hydraulics engineering (flow of water in pipes, open channels, water resources) and the general systems approach to engineering problems. The students are also exposed to construction engineering and management concepts at an introductory level in the fourth year. The senior civil engineering students have a flexible curriculum. They are mainly offered a variety of elective courses on planning and design of complex civil engineering systems.

Our students have the chance to specialize in a secondary field as they pursue their major program. TED University offers a choice of diverse secondary field programs provided by all faculties.
Program Outcomes

Our graduates are able to:

1. Comprehend science and advanced mathematics subjects fundamental to engineering,
2. Apply knowledge of mathematics, science, and engineering to design and implement original, innovative and sustainable civil engineering systems or processes to meet desired needs within a greater societal context,
3. Identify, formulate, and solve engineering problems,
4. Employ state-of-the-art engineering techniques and computing tools necessary for creative engineering solutions,
5. Design and conduct experiments; analyze and interpret data,
6. Practice good working habits, time management, and self-discipline,
7. Display multidisciplinary teamwork skills
8. Act professionally and ethically,
9. Appreciate cultural diversity,
10. Respect individual and cultural differences,
11. Demonstrate effective oral and written professional skills in English,
12. Engage in life-long learning to face the future challenges and to achieve an enduring professional development.

Undergraduate Curriculum

Semester 1

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Students will select only one course from each category in “Humanities/Literature/Art/Sciences” common core (CC) areas.

Semester 2

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**Totals expected for graduation**

|        | 121 | 10 | 24 | 138 | 240 |

Civil Engineering Department offers technical elective courses in three separate groups. These groups are:

- **Group I**: CE 411, CE 412, CE 414, CE 431, CE 432, Group II: CE 434, CE 442, CE 461; Group III: CE 452, CE 454. The students shall take only one elective course from each group.

### Courses with Pre-requisites

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Pre-requisites</th>
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<tr>
<td>CE 211 Engineering Mechanics I</td>
<td>PHYS 101 or PHYS 105</td>
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<td>CE 212 Engineering Mechanics II</td>
<td>CE 211</td>
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<tr>
<td>CE 214 Introduction to Mechanics of Materials</td>
<td>CE 211</td>
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<tr>
<td>CE 232 Fluid Mechanics</td>
<td>CE 211</td>
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<td>CE 311 Structural Analysis</td>
<td>CE 214 and MATH 210</td>
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<td>CE 312 Fundamentals of Steel Design</td>
<td>CE 214</td>
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<td>CE 314 Reinforced Concrete Fundamentals</td>
<td>CE 214</td>
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<td>CE 331 Hydromechanics</td>
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<td>CE 332 Water Resources Engineering</td>
<td>CE 331</td>
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<td>CE 341 Soil Mechanics</td>
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<td>CE 342 Foundation Engineering I</td>
<td>CE 341</td>
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<td>CE 399 Summer Practice I</td>
<td>Sophomore Standing</td>
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<tr>
<td>CE 410 Civil Engineering Design</td>
<td>CE 342 and (CE 312 or CE 314 or CE 332)</td>
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<tr>
<td>CE 411 Reinforced Concrete Structures</td>
<td>CE 314</td>
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<td>CE 412 Steel Structures</td>
<td>CE 312</td>
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<td>CE 414 Introduction to Earthquake Resistant Design</td>
<td>CE 212 and CE 311</td>
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<td>CE 431 Design of Hydraulic Structures</td>
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<td>CE 432 Water Supply Engineering Design</td>
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<td>CE 434 Coastal Engineering</td>
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<td>CE 442 Foundation Engineering II</td>
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<td>CE 451 Construction Engineering and Management</td>
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<td>CE 452 Practical Aspects of Construction Management</td>
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<td>CE 454 Contractual Aspects of Construction Works</td>
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<tr>
<td>CE 461 Principles of Transportation and Traffic Engineering</td>
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<td>CE 499 Summer Practice II</td>
<td>CE 399 or Consent of the Department</td>
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Undergraduate Course Descriptions

CE 200 (0+0+4) 2 Credits / 4 ECTS
Computer Aided Technical Drawing
(Bilgisayar Destekli Teknik Çizim)
Principles of engineering drawing, lettering, dimensioning and tolerancing, orthographic drawing, pictorial and sectional views. Introduction to computer aided drafting.

CE 211 (3+0+0) 3 Credits / 5 ECTS
Engineering Mechanics I
(Mühendislik Mekaniği I)
Pre-requisite: PHYS 101 or PHYS 105

CE 212 (3+0+0) 3 Credits / 5 ECTS
Engineering Mechanics II
(Mühendislik Mekaniği II)
Pre-requisite: CE 211

CE 214 (3+0+2) 4 Credits / 6 ECTS
Introduction to Mechanics of Materials
(Malzeme Mekaniğine Giriş)
Pre-requisite: CE 211

Courses with Co-requisites

<table>
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<td>CE 454 Contractual Aspects of Construction Works</td>
<td>CE 499</td>
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<tr>
<td>CE 455 Sustainable Construction</td>
<td>CE 499</td>
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CE 221 (3+0+2) 4 Credits / 6 ECTS
Materials Science (Malzeme Bilimi)
Engineering requirements of materials; the structure of matter; atomic arrangements, structural imperfections. Mechanical properties. Concepts of force, stress, deformation and strain; elasticity; elastic and plastic behavior. Creep, relaxation, brittleness, ductility, hardness, fatigue, toughness, resilience, and damping characteristics of materials. Construction materials; hydraulic cements, mineral aggregates, concrete, ferrous metals, polymers, bituminous materials, timber.

CE 232 (3+0+0) 3 Credits / 5 ECTS
Fluid Mechanics (Akışkanlar Mekaniği)
Pre-requisite: CE 211

CE 311 (3+0+0) 3 Credits / 6 ECTS
Structural Analysis (Yapısal Analiz)
Pre-requisites: CE 214 and MATH 210 (Effective Fall 2018-2019)

CE 312 (3+0+0) 3 Credits / 6 ECTS
Fundamentals of Steel Design (Çelik Tasarımın Temelleri)
Pre-requisite: CE 214

CE 314 (3+0+0) 3 Credits / 6 ECTS
Reinforced Concrete Fundamentals (Betonarmenin Temelleri)
Pre-requisite: CE 214
CE 331 (3+0+2) 4 Credits / 6 ECTS
Hydromechanics (Hidromekanik)

CE 332 (3+0+0) 3 Credits / 6 ECTS
Water Resources Engineering (Su Kaynakları Mühendisliği)
Pre-requisite: CE 331

CE 341 (3+0+2) 4 Credits / 6 ECTS
Soil Mechanics (Zemin Mekanıği)
Pre-requisite: CE 214

CE 342 (3+0+0) 3 Credits / 6 ECTS
Foundation Engineering I (Temel Mühendisliği I)
Pre-requisite: CE 341

CE 399 (1+0+0) 1 Credits / 2 ECTS
Summer Practice I (Yaz Stajı I)
Minimum 20 working days of practical work at the construction site of an organization operating on the design, production, maintenance, management of civil engineering structures and systems.
Pre-requisites: Sophomore standing
CE 410  
Civil Engineering Design  
(İnşaat Mühendisliği Tasarımı)  
Design and development of a project for a civil engineering problem under the supervision of an academic advisor. Submission of the results in the form of a project report and oral presentation.  
Pre-requisites: CE 342 and (CE 312 or CE 314 or CE 332)

CE 411  
Reinforced Concrete Structures  
(Betonarme Yapılar)  
Pre-requisite: CE 314

CE 412  
Steel Structures  
(Çelik Yapılar)  
Pre-requisite: CE 312

CE 414  
Introduction to Earthquake Resistant Design  
(Depreme Dayanıklı Yapı Tasarımına Giriş)  
Pre-requisites: CE 212 and CE 311

CE 431  
Design of Hydraulic Structures  
(Hidrolik Yapıların Tasarımı)  
Pre-requisite: CE 331
CE 432 (3+0+0) 3 Credits / 6 ECTS
Water Supply Engineering Design
(Su Mühendisliğinde Tasarım)
Pre-requisite: CE 332

CE 434 (3+0+0) 3 Credits / 6 ECTS
Coastal Engineering
(Kıyı Mühendisliği)
Linear wave theory, wave transformations (shoaling, refraction, breaking, diffraction, reflection), wind-generated waves and their prediction, wave climate, design of rubble mound and vertical wall breakwaters.
Pre-requisite: CE 331

CE 442 (3+0+0) 3 Credits / 6 ECTS
Foundation Engineering II
(Temel Mühendisliği II)
Pre-requisite: CE 342

CE 451 (3+0+0) 3 Credits / 5 ECTS
Construction Engineering and Management
(Yapım Mühendisliği ve Yönetimi)
Introduction to construction project management: Parties and their roles, stages, attributes and goals of construction projects. Quantity measurement calculations: example calculations of a house. Construction machinery, equipment and plants: selection criteria, hourly cost determination and output analysis of excavators. Professional responsibility and ethics, productivity, quality, health and safety issues. Environmental and economic impacts of construction industry.
Pre-requisites: Consent of the Department

CE 452 (3+0+0) 3 Credits / 6 ECTS
Practical Aspects of Construction Management
(Yapım Yönetiminin Pratik Yönleri)
Introduction to management, general description of construction industry, contract systems, types of construction contracts. Review of typical organizational structures for construction companies and projects. Work scheduling by network time analysis, resource analysis and leveling. Main tasks to start up construction projects. Project records, documentation. Communication basics and communication in construction sites. Monitoring and control systems. Procedures and formalities for project completion.
Pre-requisite: CE 451
CE 454 (3+0+0) 3 Credits / 6 ECTS
Contractual Aspects of Construction Works
(Inşaat İşlerinin Sözleşmeye Dayalı Yönleri)
Pre-requisites: None
Co-requisite: CE 499

CE 455 (3+0+0) 3 Credits / 5 ECTS
Sustainable Construction
(Sürdürülebilir İnşaat)
Introduction to sustainability and the role of civil engineering towards the solution of global problems. Green buildings, their evaluation and certification systems, design processes, and economics. Case studies with current technologies.

CE 461 (3+0+0) 3 Credits / 6 ECTS
Principles of Transportation and Traffic Engineering
(Ulaştırma ve Trafik Mühendisliğinin Temel İlkeleri)
Pre-requisites: Senior Standing

CE 499 (1+0+0) 1 Credits / 2 ECTS
Summer Practice II
(Yaz Stajı II)
Minimum 20 working days of practical work in an organization operating on the design of civil engineering structures.
Pre-requisites: CE 399 or Consent of the Department

Graduate Course Descriptions

CE 515 (3+0+0) 3 Credits / 7.5 ECTS
International Civil Engineering Contract
(Uluslararası İnşaat Mühendisliği Sözleşmeleri)
CE 517  (3+0+0) 3 Credits / 7.5 ECTS  
Construction Site Management  
(Şantiye Yönetimi)

CE 518  (3+0+0) 3 Credits / 7.5 ECTS  
Construction Process and Document Management  
(İnşaat Projelerinde Süreç ve Doküman Yönetimi)

CE 519  (3+0+0) 3 Credits / 7.5 ECTS  
Contract and Claim Management  
(Sözleşme ve Talep Yönetimi)

CE 521  (3+0+0) 3 Credits / 7.5 ECTS  
International Arbitration  
(Uluslararası Tahkim)
Fundamental principles of International Arbitration. Turkish International Arbitration Law. Domestic Arbitration.

CE 527  (3+0+0) 3 Credits / 7.5 ECTS  
Sustainable Construction  
(Sürdürülebilir İnşaat)

CE 528  (3+0+0) 3 Credits / 7.5 ECTS  
Renewable Energy Projects  
(Yenilenebilir Enerji Projeleri)
The importance of renewable energy in energy market and Turkey's renewable energy potential. Renewable energy resources. Basic design principles, structure types, construction techniques and applications of renewable energy projects, environmental impacts of the renewable energy systems, the role of renewables for sustainability. Conditions of renewable energy market in Turkey and worldwide. Government agencies, laws and permissions related with renewable energy in Turkey. Case study of a real renewable energy project invested in Turkey.
Undergraduate Program in Computer Engineering

The undergraduate program in computer engineering is designed to give students a balanced background in theoretical fundamentals of the computer engineering discipline and in applications areas, both in computer software and in computer hardware. The program is at the same time a flexible one in that it gives the student the opportunity to specialize in certain areas of computer science and engineering.

The program consists of area courses, complementary courses, mathematics and science courses, humanities and social sciences courses, language courses and free elective courses. The program includes required and elective courses in each of these categories.

The program course requirement is 136 credit hours of formal course work and two industrial training courses. As part of the formal course work the student has to complete a graduation thesis (i.e. senior design project) which has to be defended in front of a jury. Industrial training is done during summer months and involves 40 work days in an actual work environment. This is normally done in two steps, during the summers following the sophomore year and junior year.

The program emphasizes active learning, where most courses involve student work in the form of programming assignments, software projects, lab exercises, etc. The aim is to equip the student not only with the computer engineering body of knowledge but also with skills necessary to do productive work upon graduation.

Program Outcomes

Students graduating from TEDU Computer Engineering Department will:

1. Communicate with technical and non-technical people orally and in writing to share knowledge.
2. Interpret foundational scientific, engineering, management and artistic concepts and principles.
3. Apply mathematical, statistical, computing and engineering concepts and tools to model and solve problems.
4. Follow current trends and developments in their fields to adapt to the changing environment, with and without guidance.
5. Design and conduct experiments, analyzing their output data to create information.
6. Act professionally by following social, ethical and cultural responsibilities.
7. Design and implement a computer system, be it software or hardware or both, to serve specific needs in an efficient, interdisciplinary team work context.
8. Evaluate feasible solutions to complex engineering projects, based on economic, social and ethical constraints.
9. Critique existing literature and produce computer scientific knowledge.

### Undergraduate Curriculum

#### Semester 1

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#### Semester 3

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**Totals expected for graduation**  
121  14  18  137  240
### Courses with Pre-requisites

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<td>CMPE 318 Software Design</td>
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<td>CMPE 350 Embedded Systems</td>
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<td>CMPE 362 Digital Image Processing</td>
<td>MATH 203</td>
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### Courses with Co-requisites

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Undergraduate Course Description

CMPE 101  
Introduction to Information Technologies  
(Bilgi Teknolojilerine Giriş)
(2+0+2) 3 Credits / 5 ECTS

CMPE 112  
Fundamentals of Programming I  
(Programlamanın Temelleri I)
(1+0+4) 3 Credits / 6 ECTS

CMPE 211  
Fundamentals of Programming II  
(Programlamanın Temelleri II)
(2+0+2) 3 Credits / 6 ECTS

CMPE 232  
Relational Databases  
(İlişkisel Veritabanları)
(3+0+0) 3 Credits / 5 ECTS
Database system concepts and architecture. Relational data model and SQL. Database normalization. File structures and indexing. Transaction processing and concurrency control.

CMPE 242  
Data Structures and Algorithms I  
(Veri Yapıları ve Algoritmalar I)
(3+0+0) 3 Credits / 6 ECTS

CMPE 252  
C Programming  
(C Programlama)
(2+0+2) 3 Credits / 6 ECTS

CMPE 310  
Rapid Application Development  
(Hızlı Uygulama Geliştirme)
(3+0+0) 3 Credits / 5 ECTS
The concept of agile business and rapid development of software. Support the high-speed changes in the business. Methods needed to quickly, effectively and accurately create software. Various methods of rapid development that can be applied to generate requirements, validate a solution, or even create a new operational system.
CMPE 311 (3+0+0) 3 Credits / 5 ECTS
Principles of Object Oriented Languages
(Nesne Tabanlı Dillerin Prensipleri)

CMPE 312 (3+0+0) 3 Credits / 5 ECTS
Web Development
(Web Geliştirme)

CMPE 313 (3+0+0) 3 Credits / 6 ECTS
Software Engineering
(Yazılım Mühendisliği)
Pre-requisite: CMPE 211

CMPE 315 (3+0+0) 3 Credits / 5 ECTS
Computer Game Design
(Bilgisayar Oyunu Tasarımı)

CMPE 316 (2+0+2) 3 Credits / 5 ECTS
Game Programming
(Oyun Programlama)

CMPE 317 (2+0+2) 3 Credits / 5 ECTS
Mobile Application Development
(Mobil Uygulama Geliştirme)

CMPE 318 (3+0+0) 3 Credits / 5 ECTS
Software Design Patterns
(Yazılım Tasarm Örüntüleri)
Definition of design pattern. Need for using design patterns. Classification of design patterns (creational, structural, behavioral). Reuse of patterns. Case studies and sample applications.
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<tr>
<td>CMPE 321</td>
<td>Artificial Intelligence (Yapay Zeka)</td>
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<td>Theory of Computation (Hesaplama Kuramı)</td>
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<td>CMPE 323</td>
<td>System Simulation and Modeling (Sistem Simülasyonu ve Modelleme)</td>
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<td>CMPE 324</td>
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CMPE 320 Numerical Computations (Sayısal Hesaplamlar)


CMPE 321 Artificial Intelligence (Yapay Zeka)


CMPE 322 Theory of Computation (Hesaplama Kuramı)


CMPE 323 System Simulation and Modeling (Sistem Simülasyonu ve Modelleme)


CMPE 324 Knowledge Engineering (Bilgi Mühendisliği)


CMPE 325 Information Security and Cryptography (Bilgi Güvenliği ve Kriptoloji)

CMPE 326
Concepts of Programming Languages
(Programlama Dili Kavramları)
Fundamental programming language concepts, pointer arithmetic, dynamic memory allocation, strongly and dynamically typed languages, subprograms and parameter passing methods, abstract data types, encapsulation.

CMPE 330
Information Systems Analysis and Design
(Bilişim Sistemlerinin Analizi ve Tasarımı)

CMPE 343
Data Structures and Algorithms II
(Veri Yapıları ve Algoritmalar II)

CMPE 350
Embedded Systems
(Gömülü Sistemler)

CMPE 360
Computer Graphics
(Bilgisayar Grafiği)

CMPE 361
Computer Organization
(Bilgisayar Organizasyonu)
CMPE 362 (3+0+0) 3 Credits / 5 ECTS
Digital Image Processing
(Görüntü İşleme)
Image model sampling and quantization. Basic relationships between pixels and image geometry. Two-
dimensional Fourier transforms. Image enhancement. Spatial and frequency domain methods. Image
restoration. Image segmentation.

CMPE 363 (3+0+0) 3 Credits / 5 ECTS
Multimedia
(Çoklu Ortam)
Media, multimedia and their importance. Applications of multimedia. Text, animation, audio, image, and
video media types. Representing media. The importance of media data compression. Streaming media.

CMPE 380 (3+0+0) 3 Credits / 5 ECTS
Systems Programming
(Sistem Programlama)
Advanced systems programming topics in multitasking. Process synchronization. Inter-process
communication. Operating system mechanisms and interaction. Task handling. Task synchronization
mechanisms. Task communication mechanisms. File system interaction. System functions. Current open
standards.

CMPE 382 (3+0+0) 3 Credits / 5 ECTS
Operating Systems
(İşletim Sistemleri)

CMPE 399 (1+0+0) 1 Credit / 2 ECTS
Summer Practice I
(Yaz Stajı I)
Summer internship done over 20 consecutive working days at a computer firm or an IT department.
Presentation of experiences, and systems and software developed over the internship.

CMPE 414 (3+0+0) 3 Credits / 5 ECTS
Information Retrieval
(Bilgi Erişimi)
Basic information retrieval models; vocabulary, posting lists, inverted indexes; scoring; vector space
model; probabilistic information retrieval; text and vector space classification; support vector machines
(SVM) and machine learning; clustering; Web search.

CMPE 426 (3+0+0) 3 Credits / 5 ECTS
Concepts of Programming Languages
(Programlama Dili Kavramları)
Fundamental programming language concepts, pointer arithmetic, dynamic memory allocation, strongly
and dynamically typed languages, subprograms and parameter passing methods, abstract data types,
encapsulation.
CMPE 451 (2+0+2) 3 Credits / 6 ECTS
Microprocessors (Mikroişlemciler)

CMPE 465 (3+0+0) 3 Credits / 5 ECTS
Introduction to Computer Vision (Bilgisayarlı Görmerce Giriş)
Foundations of Computer Vision. Low-level computer vision topics: image formation and representation, color, camera geometry and calibration, filtering and edge detection. Mid-level vision topics: interest point detection, segmentation, texture analysis, stereo image analysis. High-level vision topics: object recognition, scene recognition, object and human tracking, human activity analysis.

CMPE 467 (3+0+0) 3 Credits / 5 ECTS
Human Computer Interaction (İnsan Bilgisayar Etkileşimi)

CMPE 472 (2+0+2) 3 Credits / 6 ECTS
Computer Networks (Bilgisayar Ağları)

CMPE 491 (1+4+0) 3 Credits / 8 ECTS
Senior Project I (Bitirme Projesi I)
Co-requisite: CMPE 313

CMPE 492 (1+4+0) 3 Credits / 8 ECTS
Senior Project II (Bitirme Projesi II)

CMPE 499 (1+0+0) 1 Credit / 2 ECTS
Summer Practice II (Yaz Staji II)
Works done and experiences gained throughout the summer internship.
Graduate Course Description

**CMPE 512**
**Fundamentals of Programming I**
(Proqramlamanın Temelleri I)

**CMPE 517**
**Mobile and Pervasive Computing**
(Mobil ve Yaygın Bilişim)

**CMPE 521**
**Data Structures and Algorithms I**
(Veri Yapıları ve Algoritmalar I)

**CMPE 522**
**Data Structures and Algorithms II**
(Veri Yapıları ve Algoritmalar II)

**CMPE 541**
**Data Mining**
(Veri Madenciliği)

**CMPE 542**
**Machine Learning**
(Makine Öğrenmesi)
Supervised learning; unsupervised learning; reinforcement learning; regression; learning theory; neural networks; support vector machines; nearest neighbors; bias-variance tradeoff; validation; kernel methods; VC dimension.
CMPE 557
Business Processes Modeling
(İş Süreçleri Modelleme)

CMPE 558
Business Processes Automation
(İş Süreçleri Otomasyonu)

CMPE 559
Complex Event Processing
(Karmaşık Olay İşleme)
Analysis and processing of events information flow. Interrelated event patterns originating from different sources. Context determination. Quick and correct decision making.

CMPE 560
Computer Graphics
(Bilgisayar Grafiği)

CMPE 562
Digital Image Processing
(Görüntü İşleme)

CMPE 564
Computational Photography
(Hesaplamalı Fotografi)
Computational photography combines computer graphics and computer vision to create new types of photographs. The goal of the course is to combine image capture and image processing techniques to expand the limitations of the digital photography and to describe related algorithms. Major topics: Cameras and image formation, color perception, the foundations of image processing (filters, convolution, edge detection), image synthesis, image editing (image warping, image morphing, image blending and composition, image completion / inpainting , image matting), texture synthesis and transfer, panorama, mosaics, high dynamic range imaging, tone mapping, image-based lighting, photo quality assessment.
CMPE 565 (3+0+0) 3 Credits / 7.5 ECTS
Computer Vision (Bilgisayarlı Görme)
The basic concepts of Computer Vision and its relation to human visual perception. The analysis of image and video data. Image formation and representation, segmentation, texture analysis and synthesis, edge, corner and boundary extraction, feature extraction, contour and region analysis, camera geometry and calibration, stereo image analysis, three-dimensional reconstruction, object and scene recognition, tracking, human activity recognition and inference.

CMPE 566 (3+0+0) 3 Credits / 7.5 ECTS
Speech and Language Processing (Bilgisayarlı Görme)

CMPE 567 (3+0+0) 3 Credits / 7.5 ECTS
Human-Computer Interaction (İnsan-Bilgisayar Etkileşimi)

CMPE 568 (3+0+0) 3 Credits / 7.5 ECTS
Selected Topics in Human-Computer Interaction (Seçilmiş İnsan-Bilgisayar Etkileşim Konuları)
Selected Topics in Human-Computer Interaction is a course that studies the state of the art in the field. Students analyze selected scientific articles, discuss the achieved results and present the work to other students in class.

CMPE 569 (3+0+0) 3 Credits / 7.5 ECTS
Physically Based Modeling and Simulation (Fiziksel Tabanlı Modelleme ve Simülasyon)

CMPE 570 (3+0+0) 3 Credits / 7.5 ECTS
Virtual Reality (Sanal Gerçeklik)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Chair
Prof. Erdem Yazgan

Academic Staff

* Research Assistant

Undergraduate Program in Electrical and Electronics Engineering

Electrical and Electronics Engineering is, in general, an engineering discipline covering the issues related to the design, development, maintenance, protection, control, economics and management of systems operating with strong (electricity) and weak (electronic) currents; and offers solutions and products in many areas, such as communication, energy, defense industry and the health sector. Therefore, we always encounter an application of Electrical and Electronics Engineering, wherever energy is used.

Electrical and Electronics Engineering, forming a common interdisciplinary platform with various areas, is a part of not only technical but also social and economic development and progress. Due to its constantly changing and evolving feature, it needs engineers who keep themselves up-to-date on new technologies. Electrical and Electronics engineers and researchers carry great responsibilities and duties due to the fact that they are a society who not only use the existing knowledge and technologies, but also self-devise and self-produce new technologies and constantly keep pace with the technological advancements that take place.

The objective of our department is to conduct a “student-centered”, innovative and interactive program adopting new teaching-learning techniques and adapt to the modern world, in joint cooperation with other disciplines. Our academic curriculum enables our students to have a strong professional background, as well as to be involved in various interdisciplinary areas through minor and double major programs.

Our Mission is

• To raise graduates who are capable of critical thinking, lifelong learning, working in cooperation, learning and applying the rules of professional conduct and ethics, adapting to emerging situations and approaches, communicating effectively, and possessing a broad vision,

• To produce, implement and disseminate knowledge by conducting high-impact research.

Program Outcomes

Students graduating from the Electrical and Electronics Engineering Department will be able to:

1. Apply the knowledge of electrical and electronics engineering, mathematics and science to engineering problems.

2. Apply appropriate IT technologies and relate to at least one computer programming language.
3. Communicate effectively in English and Turkish, orally and in writing, as individuals and multidisciplinary teams in a professional, ethical and responsible manner.

4. Design and conduct experiments, and collect, analyze and interpret data.

5. Identify, model and solve engineering problems by utilizing modern techniques, skills and tools.

6. Design a system, component or process, using engineering design processes, to meet desired specifications within real-life constraints, such as economic, sustainability and environmental factors.

7. Recognize contemporary issues, and social, cultural, global, environmental and ethical responsibilities as an engineer.

8. Respect personal, social and cultural differences in professional practice and function effectively in multidisciplinary teams.

9. Engage in life-long learning to keep abreast of professional and personal development.

10. Manage personal and professional affairs effectively, through problem solving, entrepreneurial and time-management skills.

11. Recognize project management, risk management and change management issues.

Undergraduate Curriculum

Semester 1

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Totals expected for graduation

|            | 121 | 8  | 29 | 137 | 240 |

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<td>EE 462 Power System Analysis</td>
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</table>
Undergraduate Course Description

**EE 201**
Circuit Theory I
(Devre Teorisi I)
Pre-requisite: MATH 101
Co-requisite: EE 203

**EE 202**
Circuit Theory II
(Devre Teorisi II)
Pre-requisite: EE 201
Co-requisite: EE 204

**EE 203**
Electrical Circuits Laboratory
(Elektrik Devreleri Laboratuvarı)
Voltage, current, resistance and power measuring instruments, signal generators, oscilloscope. Experiments on resistive circuits, first and second order RLC circuits, opamp circuits.
Co-requisite: EE 201

**EE 204**
Electrical and Electronic Circuits Laboratory
(Elektrik ve Elektronik Devreleri Laboratuvarı)
Experiments on opamp circuits, impedance measurement, active and passive filters, three-phase circuits, power calculations, rectifier diodes, Zener diodes, bipolar junction transistors (BJT), field effect transistors (FET).
Co-requisite: EE 202
EE 205  
Software Tools for Electrical Engineering  
(Elektrik-Elektronik Mühendisliği için Yazılım Araçları)  
MATLAB Enviroment, Built-in MATLAB Functions, Manipulating Matrices, Plotting, User Defined Functions, User Controlled Input and Outputs, Logical Functions, Repetition Structures, Matrix Algebra.

EE 207  
Electrical Circuits and Logic Design  
(Elektrik Devreler ve Mantıksal Tasarım)  
Electrical Circuits and Logic Design is a course that provides basic information about digital circuits along with a thorough discussion on logic design, digital system design, and basic computer design available to second year students. The course material include the following topics: Number systems and conversions, data representation, analysis and design of combinational logic circuits, Boolean algebra, logic gates, minimization techniques, HDL, sequential logic, flip-flops, registers, clocked circuits, clock generation, counters, shift registers, arithmetic circuits.

EE 222  
Digital Logic Design  
(Sayısal Mantık Tasarımı)  
Number systems and Boolean Algebra. Binary logic and gates. Combinatorial and sequential circuit design. Registers and counters. Programmable logic.

EE 252  
Microelectronic Devices and Circuits  
(Mikroelektronik Aygıtlar ve Devreler)  
Energy band structure of materials: conductors, insulators, and semiconductors. Basic semiconductor concepts. Physics and models of p-n junction diodes, bipolar junction transistors (BJT), and metal oxide semiconductor field effect transistors (MOSFET). Transistor biasing and small-signal models. Dynamic models for diodes and transistors.  
Pre-requisite: EE 201

EE 304  
Probability and Random Processes  
(Olasılık ve Rassal Süreçler)  
Pre-requisite: MATH 101

EE 307  
Electrical Circuits  
(Elektrik Devreleri)  
(Offered for non-EE students)
EE 309 (2+0+2) 3 Credits / 4 ECTS
Fundamentals of Electrical and Electronics Engineering
(Elektrik ve Elektronik Mühendisliğinin Temelleri)
(Offered for non-EE students)

EE 311 (3+0+0) 3 Credits / 5 ECTS
Signals and Systems
(Sinyaller ve Sistemler)
Pre-requisite: EE 202

EE 312 (3+0+0) 3 Credits / 5 ECTS
Communication Systems I
(Haberleşme Sistemleri I)
Pre-requisite: EE 311

EE 332 (3+0+0) 3 Credits / 5 ECTS
Feedback Control Systems
(Geri Beslemeli Kontrol Sistemleri)
Pre-requisite: EE 311

EE 341 (3+0+0) 3 Credits / 5 ECTS
Electromagnetic Fields and Waves
(Elektromanyetik Alanlar ve Dalgalar)
Pre-requisite: MATH 204
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<td>and Not-OR (NOR) gates. Static and dynamic</td>
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<td>Electromechanical Energy Conversion</td>
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<td>(Elektromekanik Enerji Dönüşümü)</td>
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<td>EE 399</td>
<td>Summer Practice I</td>
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<td>Minimum 20 working days of practical work in</td>
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<td>electrical or electronics systems.</td>
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<td>Pre-requisite: EE 201</td>
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EE 403  
Numerical Methods for Engineering  
(Mühendislik için Sayısal Yöntemler)

Pre-requisite: MATH 203

EE 404  
Measurement and Instrumentation  
(Ölçüm ve Enstrümentasyon)

Pre-requisite: EE 311 or EE 304

EE 411  
Digital Signal Processing  
(Sayısal Sinyal İşleme)

Pre-requisite: EE 311

EE 413  
Communication Systems II  
(Haberleşme Sistemleri II)

Pre-requisite: EE 312

EE 414  
Wireless Communications  
(Kablosuz Haberleşme)

Pre-requisite: EE 312
EE 415  (3+0+0) 3 Credits / 5 ECTS
Communication Electronics
(Haberleşme Elektroniği)
Basic Communications Systems. Amplifiers and Oscillators. Mixing and Heterodyning, Phased Locked Loops, High Speed Analog and Digital Circuits, Nonlinearity, Transmitters and Receivers.
Pre-requisite: EE 351

EE 416  (3+0+0) 3 Credits / 5 ECTS
Optical Communications
(Optik Haberleşme)
Pre-requisite: EE 341

EE 417  (3+0+0) 3 Credits / 5 ECTS
Introduction to Photonics
(Fotonişe Giriş)
This course explores the fundamentals of photonics theory, concepts, and applications. In particular the course covers principles and applications of ray optics, matrix optics, wave optics, Maxwell's electromagnetic waves, fourier optics, diffraction, interference, lens and mirrors, mono- and polychromatic light, electromagnetic optics, absorption, dispersion, polarization optics, crystal optics, solar cells.
Pre-requisite: EE 341

EE 418  (3+0+0) 3 Credits / 5 ECTS
Optoelectronics
(Optoelektronik)
Optical processes in semiconductors, absorption and radiation, spontaneous and stimulated emission, transition rates and carrier lifetime, principles of light emitting diodes, lasers, photodetectors, photodiodes, modulators and solar cells.
Pre-requisite: EE 252

EE 431  (2+0+2) 3 Credits / 5 ECTS
Digital Control Systems
(Sayısal Kontrol Sistemleri)
Discrete time system models in control. Discrete equivalents to continuous transfer functions. Sampled data systems. Design of digital control systems by transform techniques and state-space methods. Quantization effects. Parameter estimation for discrete time systems.
Pre-requisite: EE 332

EE 432  (3+0+0) 3 Credits / 5 ECTS
Nonlinear Control Systems
(Doğrusal Olmayan Kontrol Sistemleri)
Pre-requisite: EE 332
EE 441 (2+0+2) 3 Credits / 5 ECTS
Microwave Engineering
(Mikrodalga Mühendisliği)
Pre-requisite: EE 341

EE 442 (3+0+0) 3 Credits / 5 ECTS
Microwave Electronics
(Mikrodalga Elektroniği)
Pre-requisite: EE 441

EE 443 (3+0+0) 3 Credits / 5 ECTS
Introduction to Radar Systems
(Radar Sistemlerine Giriş)
Pre-requisite: EE 341

EE 444 (2+0+2) 3 Credits / 5 ECTS
Antenna Engineering
(Anten Mühendisliği)
Pre-requisites: EE 341

EE 451 (3+0+0) 3 Credits / 5 ECTS
Analog Integrated Circuits
(Analog Tümleşik Devreler)
Analysis and design of bipolar junction transistor (BJT) and metal oxide semiconductor (MOS) multi-transistor amplifiers. Analog integrated circuit building blocks. Biasing circuits. Complementary metal oxide semiconductor (CMOS) operational amplifiers. Active loads and references. Amplifiers and output stages.
Pre-requisite: EE 351

EE 452 (3+0+0) 3 Credits / 5 ECTS
Digital Integrated Circuits
(Sayısal Tümleşik Devreler)
Pre-requisite: EE 352
EE 461 (3+0+0) 3 Credits / 5 ECTS
Power Electronics
(Güç Elektroniği)
Pre-requisite: EE 351

EE 462 (3+0+0) 3 Credits / 5 ECTS
Power System Analysis
(Güç Sistem Analizi)
Pre-requisite: EE 361

EE 463 (3+0+0) 3 Credits / 5 ECTS
Utilization of Electrical Energy
(Elektrik Enerjisinin Kullanımı)
Pre-requisite: EE 361

EE 491 (1+0+4) 3 Credits / 7 ECTS
Senior Project I
(Bitirme Projesi I)
Design, simulation and implementation of an electrical or electronic circuit, system or software performing a specified task in electrical engineering. Building blocks of project design: project management, design tools, simulation standards, quality concepts, ethics, etc.

EE 492 (1+0+4) 3 Credits / 10 ECTS
Senior Project II
(Bitirme Projesi II)
Design, simulation and implementation of an electrical or electronic circuit, system or software performing a specified task in electrical engineering. Building blocks of project design: project management, design tools, simulation standards, quality concepts, ethics, etc.
Pre-requisite: EE 491

EE 499 (1+0+0) 1 Credit / 2 ECTS
Summer Practice II
(Yaz Stajı II)
Minimum 20 working days of practical work in an organization operating on the design, production, maintenance, management of electrical or electronics systems.
Graduate Course Description

EE 521 (3+0+0) 3 Credits / 7.5 ECTS
Signals and Systems
(İşaretler ve Sistemler)
Analog and discrete time signals and systems. Linear time-invariant systems. Fourier series. Fourier
Z-Transform.

EE 522 (3+0+0) 3 Credits / 7.5 ECTS
Discrete Time Signal Processing
(Sayısal İşaret İşleme)
Discrete-time signals and systems. Discrete-time Fourier transform. Z-transform. Sampling. Linear-
time invariant systems. Structures of discrete-time systems. Filter design techniques: infinite and finite

EE 531 (3+0+0) 3 Credits / 7.5 ECTS
Machine Learning
(Makine Öğrenmesi)
Reinforcement learning. Performance evaluation, comparison and hybrid use of learning algorithms.

EE 532 (3+0+0) 3 Credits / 7.5 ECTS
Pattern Recognition
(Örüntü Tanıma)
Patterns. Introduction to pattern recognition systems. Bayesian decision theory. Classifiers and
methods. Nearest neighbour method. Distance metrics. Linear discriminant function. Independent
component analysis.
DEPARTMENT OF INDUSTRIAL ENGINEERING

Chair
Assoc. Prof. Mehmet Rüştü Taner

Academic Staff

* Research Assistant

Undergraduate Program in Industrial Engineering

In our day of increasing domestic and global competition, industrial engineering takes on leading duties in helping profit and non-profit organizations to become low cost, high productivity, and sustainable manufacturing or service organizations.

Industrial Engineering offers effective solutions in the form of decision support systems to aid in the design and management of a wide range of operations. These include production planning, supply chain management, logistics, product and process design, process measurement and improvement, research and development, quality assurance and reliability, strategic management and finance. At the same time the profession continuously finds application opportunities in new areas, which further support its significance. In recent years, Industrial Engineers have found application and work opportunities in areas of social importance such as health, energy, humanitarian logistics, and sustainable production to help seek answers to contemporary problems.

Program Outcomes

Students graduating from the Industrial Engineering Department of TEDU will:

1. Comprehend concepts of mathematics and basic sciences,
2. Be able to apply concepts of engineering,
3. Be able to design and conduct experiments,
4. Be able to analyze and interpret data,
5. Be able to design and/or improve a system, component, or process effectively by applying notions of optimality to meet desired needs,
6. Function in interdisciplinary teams through good working habits, time management, and self-regulation,
7. Be able to identify, formulate, and solve engineering problems and design alternatives,
8. Demonstrate professional and ethical responsibility,
9. Use an advanced level of English in interpersonal communication and self-development,
10. Demonstrate effective written and oral communication skills,
11. Be able to express a creative thought on and critical assessment of events and ideas to shape their professional practice in a global/societal context,
12. Recognize the need for, and have the ability to engage in life-long learning,
13. Be able to interpret contemporary issues,
14. Use the techniques, skills, and modern engineering tools necessary for engineering practice,
15. Recognize and appreciate different cultures and respect individual and cultural differences.

### Undergraduate Curriculum

#### Semester 1

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Undergraduate Course Descriptions

**IE 212 (3+0+0) 3 Credits / 6 ECTS**

Lean Process Design
(Yalın Süreç Tasarımı)


**IE 222 (3+0+0) 3 Credits / 6 ECTS**

Engineering Economy and Cost Analysis
(Mühendislik Ekonomisi ve Maliyet Analizi)


**IE 232 (3+0+0) 3 Credits / 6 ECTS**

Mathematical Modeling and Optimization I
(Matematiksel Modelleme ve Optimizasyon I)

Linear programming models. Graphical solutions. Interpretation of solutions. The simplex method, duality, sensitivity analysis, and related topics.
Pre-requisite: MATH 203 or MATH 112
IE 311 (3+0+0) 3 Credits / 6 ECTS
Manufacturing and Service Operations Planning I
(İmalat ve Hizmet Operasyonları Planlaması I)
Pre-requisite: IE 232

IE 312 (3+0+0) 3 Credits / 6 ECTS
Manufacturing and Service Operations Planning II
(İmalat ve Hizmet Operasyonları Planlaması II)
Project management: budgeting and resource assignment. Stochastic inventory control problems: Base stock, (s, S), and (r, Q) policies. Capacity planning: work force planning, employee scheduling, buy-or-make decisions, call center applications. Revenue management. Customer relations management: strategies and techniques for attracting and retaining customers, statistical inference with data envelopment analysis and data mining techniques. Enterprise resource planning: information architecture including data flow models and entity relationship diagrams in manufacturing and service organizations. Planning in public and non-governmental organizations.
Pre-requisites: MATH 230 and IE 232

IE 316 (3+0+0) 3 Credits / 7 ECTS
Quality Planning and Control
(Kalite Planlaması ve Kontrolü)
Pre-requisite: MATH 232

IE 331 (3+0+0) 3 Credits / 6 ECTS
Mathematical Modeling and Optimization II
(Matematiksel Modelleme ve Optimizasyon II)
Pre-requisite: IE 232

IE 332 (3+0+0) 3 Credits / 6 ECTS
Mathematical Modeling and Optimization III
(Matematiksel Modelleme ve Optimizasyon III)
Pre-requisite: MATH 230

IE 341 (2+0+2) 3 Credits / 7 ECTS
Simulation
(Benzetim)
Pre-requisite: MATH 232
IE 399 (1+0+0) 1 Credits / 2 ECTS
Summer Practice I
(Yaz Stajı I)
Minimum 20 consecutive working days of practice in a manufacturing system. Observation and system analysis.
Pre-requisite: IE 212

IE 413 (3+0+0) 3 Credits / 5 ECTS
Operations Scheduling
(Operasyonel Çizelgeleme)

IE 414 (3+0+0) 3 Credits / 5 ECTS
Inventory Planning Problems
(Envanter Planlama Problemleri)

IE 415 (3+0+0) 3 Credits / 5 ECTS
Modeling and Design of Production Systems
(Üretim Sistemlerinin Tasarımı ve Modellenmesi)
Analysis of the dynamics of production systems. Performance measures in production systems. Comparison of pull and push systems. Impact of uncertainty and variation in production systems.

IE 435 (3+0+0) 3 Credits / 5 ECTS
Heuristic Search
(Sezgisel Yöntemler)

IE 438 (3+0+0) 3 Credits / 5 ECTS
Discrete Optimization
(Kesikli Optimizasyon)

IE 441 (3+0+0) 3 Credits / 5 ECTS
Stochastic Processes
(Stokastik Süreçler)
IE 444 (3+0+0) 3 Credits / 5 ECTS
Forecasting Methods (Tahmin Yöntemleri)

IE 451 (3+0+0) 3 Credits / 5 ECTS
Decision and Risk Analysis (Karar ve Risk Analizi)
Pre-requisite: MATH 230

IE 454 (3+0+0) 3 Credits / 5 ECTS
Multi-Objective Decision Analysis (Çok Hedefli Karar Analizleri)

IE 461 (3+0+0) 3 Credits / 5 ECTS
Supply Chain Management (Tedarik Zinciri Yönetimi)

IE 464 (3+0+0) 3 Credits / 5 ECTS
Distribution Logistics (Dağıtım Lojistiği)

IE 466 (3+0+0) 3 Credits / 5 ECTS
Humanitarian Logistics (İnsani Yardım Lojistiği)
IE 471  (2+2+0) 3 Credits / 5 ECTS  
Computational Tools for Industrial Engineers  
(Endüstri Mühendisleri için Hesaplama Araçları)  

IE 482  (3+0+0) 3 Credits / 5 ECTS  
Decision Making in Heath Care  
(Sağlık Hizmetlerinde Karar Verme)  
Application of industrial engineering and operations research methods in healthcare delivery, medical decision making, and public health planning.

IE 484  (3+0+0) 3 Credits / 5 ECTS  
Introduction to Defense Analysis  
(Savunma Analizine Giriş)  

IE 491  (1+4+0) 3 Credits / 6 ECTS  
Senior Project I  
(Bitirme Projesi I)  
Identification, definition, and formulation of a complex real-life industrial engineering problem in a manufacturing or service organization. System analysis. Conceptual systems design.  
Pre-requisite: IE 18 XXX Kredisi

IE 492  (1+4+0) 3 Credits / 6 ECTS  
Senior Project II  
(Bitirme Projesi II)  
Pre-requisite: IE 491

IE499  (1+0+0) 1 Credit / 2 ECTS  
Summer Practice II  
(Yaz Stajı II)  
Minimum 20 consecutive working days of summer practice in a manufacturing or a service system. System analysis. Identification and formulation of an industrial engineering problem.  
Pre-requisite: IE 399
Graduate Course Descriptions

IE 517 (3+0+0) 3 Credits / 7.5 ECTS
Production Planning
(Uretim Planlama)

IE 518 (3+0+0) 3 Credits / 7.5 ECTS
Service Management
(Hizmet Yönetimi)

IE 519 (3+0+0) 3 Credits / 7.5 ECTS
Operations Scheduling
(Operasyon Çizelgeleme)

IE 527 (3+0+0) 3 Credits / 7.5 ECTS
Logistics
(Lojistik)

IE 529 (3+0+0) 3 Credits / 7.5 ECTS
Inventory Management in Supply Chains
(Tedarik Zincirlerinde Envanter Yönetimi)

IE 537 (3+0+0) 3 Credits / 7.5 ECTS
Mathematical Programming for Engineering Management
(Mühendislik Yönetimi için Matematiksel Programlama)
IE 538 (3+0+0) 3 Credits / 7.5 ECTS
Discrete Optimization
(Kesikli Optimizasyon)
Modeling, relaxing and bounding techniques; fundamental easy-to-solve problems; matching and assignment problems; dynamic programming; complexity theory; branch-and-bound method; meta-heuristics such as tabu search, genetic algorithms and variable neighborhood search; application examples.

IE 539 (3+0+0) 3 Credits / 7.5 ECTS
Multi-Criteria Decision Making
(Çok Kriterli Karar Verme)

IE 547 (3+0+0) 3 Credits / 7.5 ECTS
Modelling and Analysis of Uncertainty
(Belirsizlik Modelleme ve Analizi)

IE 548 (3+0+0) 3 Credits / 7.5 ECTS
Decision Analysis
(Karar Analizi)

IE 549 (3+0+0) 3 Credits / 7.5 ECTS
Risk Management
(Risk Yönetimi)

IE 558 (3+0+0) 3 Credits / 7.5 ECTS
Business Process Flow Management
(İş Süreçleri Akış Yönetimi)

IE 559 (3+0+0) 3 Credits / 7.5 ECTS
Revenue Management
(Gelir Yönetimi)
DEPARTMENT OF MECHANICAL ENGINEERING

Chair
Prof. Selin Aradağ Çelebioğlu

Academic Staff

* Research Assistant

Undergraduate Program in Mechanical Engineering

Mechanical engineers design, develop, manufacture, manage, and control mechanical and thermal systems and their components, from the nanoscale on. One of the broadest of all engineering disciplines -and thus offering flexible career options- mechanical engineering requires a solid grasp of mechanics, kinematics, materials, thermodynamics, and energy.

Department of mechanical engineering places its priority on the education of students who will become the young mechanical engineers and decision makers of tomorrow. To this effect, the department commits itself to create a learning environment based on a curriculum for delivering the principles and state-of-the-art of profession. Modern principles of mechanical engineering are relayed through a comprehensive education including a hands-on type of a laboratory experience. Computers, electronics and numerical simulation tools are also integral part of this curriculum. Creativity and designing of products is in the essence of this program in the form of novel design courses and design projects in various courses in an interdisciplinary environment. Students are encouraged to take part in educational activities where they can express their creative talents as well as their technical information acquired in courses.

The course requirements for the Bachelor of Science Degree in Mechanical Engineering at TEDU total a minimum of 138 credit hours of formal course work which includes 36 credit hours of common core, 64 credit hours of major and 15 credit hours of minor courses. Student development seminars and practical training are also compulsory.

Program Objectives

The Mechanical Engineering Department at TED University aims at graduating BS students who;

1. Are prepared for engineering practice or to enroll in engineering graduate degree programs,
2. Have mastered the fundamental notions and principles of mechanical engineering discipline, are able to independently learn various applications, examine and critically evaluate them,
3. Are innovative and open to team work, perform effectively through oral- written communication, are sociable and well rounded,
4. Are aware of their professional and ethical responsibilities, update their knowledge and abilities to compete in the global enterprise.
Program Outcomes

Our graduates are able to:

**Knowledge and Understanding**
1. Comprehend science and advanced mathematics subjects fundamental to engineering,
2. Apply knowledge of mathematics, science, and engineering (mechanics, thermodynamics, materials science) to mechanical engineering problems,
3. Implement social, scientific, and professional codes of ethical conduct,
4. Comprehend contemporary issues and the broad education necessary to discuss the impact of engineering solutions in a global and societal context,
5. Recognize and appreciate different cultures and respect individual and cultural differences.

**Intellectual Skills**
1. Design and conduct experiments, as well as to analyze and interpret data.
2. Design thermal and mechanical systems, components, or processes to meet desired needs,
3. Identify, formulate, and solve engineering problems (open ended problems / system design).

**Transferable (Generic) Skills**
1. Use the English language proficiently in knowledge sharing and professional communication,
2. Practice good working habits, time management, and self-discipline,
3. Formulate solutions to complex problems in multi-disciplinary teams,
4. Demonstrate effective oral, written and visual communication skills,
5. Engage in lifelong learning for continued personal, social, and professional development.

**Practical Skills**
1. Employ modern engineering techniques, skills, and computing tools necessary for engineering practice (use laboratory and workshop equipment to generate data, prepare technical drawings, prepare technical reports, give technical presentations, take notes effectively, write computer programs, use computational tools and packages).

### Undergraduate Curriculum

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Totals expected for graduation: 118 8 32 138 240
## Courses with Pre-requisites

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<tr>
<td>ME 224 Design and Manufacturing</td>
<td>ME 200 and ME 211</td>
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<tr>
<td>ME 241 Introduction to Solid Mechanics</td>
<td>PHYS 101 or PHYS 105</td>
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<td>ME 242 Dynamics</td>
<td>ME 241</td>
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<td>ME 324 Machine Design I</td>
<td>ME 345</td>
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<td>ME 336 Modelling and Control of Dynamic Systems</td>
<td>ME 242</td>
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<td>ME 345 Mechanics of Materials</td>
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<td>ME 423 Machine Design II</td>
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<td>ME 425 Mechanical Vibrations</td>
<td>ME 242 and MATH 203</td>
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<td>ME 435 Mechatronics</td>
<td>ME 336 and EE 309</td>
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<td>ME 436 Modern Control Theory</td>
<td>ME 336</td>
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<td>ME 441 Applied Finite Element Method</td>
<td>ME 345 and MATH 210</td>
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<tr>
<td>ME 453 Introduction to Aeronautics</td>
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<td>ME 460 Energy Systems</td>
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## Courses with Co-requisites

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<tr>
<td>ME 301 Measurement and Instrumentation</td>
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## Undergraduate Course Descriptions

**ME 200**

*Computer Aided Technical Drawing (Bilgisayar Destekli Teknik Resim)*


*All pre-requisites except ME241 effective Fall 2018-2019*
ME 211 (3+0+0) 3 Credits / 6 ECTS
Materials Science
(Malzeme Bilimi)

ME 221 (3+0+0) 3 Credits / 6 ECTS
Manufacturing Processes
(İmalat Süreçleri)

ME 224 (3+0+0) 3 Credits / 6 ECTS
Design and Manufacturing
(Tasarım ve Üretim)
Basics of mechanical design: visual thinking, engineering drawing and machine anatomy. Basics of manufacturing: processes, materials, and thermo-fluid aspects. Use of computers in various phases of design and manufacturing. Exposure to CAD systems and basic machine shop techniques. Pre-requisites: ME 200 and ME 211

ME 241 (3+0+0) 3 Credits / 6 ECTS
Introduction to Solid Mechanics
(Katı Mekanigi Giris)

ME 242 (3+0+0) 3 Credits / 6 ECTS
Dynamics
(Dinamik)
Dynamics of particles: Rectilinear and curvilinear motion, Newton's laws, momentum and angular momentum methods. Work and energy. Dynamics of rigid bodies; kinematics, Euler’s Laws, angular momentum. Work and energy methods for rigid bodies. Pre-requisite: ME 241
ME 264  
Thermodynamics  
(Termodinamik)

The thermodynamic system and its properties, thermodynamic processes; work and heat interactions. Systems approach. The First Law for systems and for flow processes; Properties of pure substances; Ideal Gas Law; Control volume analysis; the Second Law and entropy. Irreversibility and availability.

ME 301  
Measurement and Instrumentation  
(Ölçme ve Ölçme Düzenekleri)

Principles and methods of measurement, instrumentation and experimentation. Basic sensing devices, and fundamental engineering measurements, experiment planning, data analysis, report writing. Performing and reporting on experiments chosen to illustrate a variety of important experimental methods while familiarizing with basic instrumentation.

Co-requisite: EE 309

ME 302  
Experimental Engineering  
(Deneysel Mühendislik)

Performing and preparing report on a series of experiments chosen to illustrate a variety of important experimental methods covering mechanics, materials, thermodynamics, fluid mechanics, heat transfer and dynamical systems.

ME 324  
Machine Design I  
(Makine Elemanları I)

Principles of mechanical engineering design: Load analysis, materials; deflections and stability; stress analysis; stress concentrations, failure theories of ductile and brittle materials, fatigue, impact. Analysis and design of machine elements: shafts, joints and springs.

Pre-requisite: ME 345

ME 336  
Modeling and Control of Dynamic Systems  
(Dinamik Sistemlerin Modellenmesi ve Denetimi)


Pre-requisite: ME 242
ME 345  
Mechanics of Materials  
(Mukavemet)  
Pre-requisite: ME 241

ME 353  
Fluid Mechanics  
(Akışkanlar Mekaniği)  
Pre-requisite: ME 241

ME 362  
Heat Transfer  
(Isı Transferi)  
Steady and transient, one and multi-dimensional heat conduction in systems: numerical methods and special applications. Internal and external laminar and turbulent forced convection, natural convection and condensation. Heat transfer by radiation. Heat exchangers and design of heat transfer systems.  
Prer-equisites: ME 264 and MATH 203

ME 399  
Summer Practice I  
(Yaz Stajı I)  
Minimum 20 working days of practical work in an organization operating on the design, production, maintenance, management of mechanical or thermal systems.  
Pre-requisites: Sophomore standing

ME 423  
Machine Design II  
(Makine Elemanları II)  
Analysis and design of machine elements such as spur, helical, bevel and worm gears; shafts and associated parts such as keys, pins, splines, couplings; clutches, brakes and flywheels; belts; chains; torque converters. Design project involving a mechanical component or device including all detail drawings, assembly drawings and cost analysis.  
Pre-requisite: ME 324
ME 425  (3+0+0) 3 Credits / 5 ECTS
Mechanical Vibrations
(Mekanik Titreşimler)
Pre-requisites: ME 242 and MATH 203

ME 435  (3+0+0) 3 Credits / 5 ECTS
Mechatronics
(Mekatronik)
Pre-requisites: ME 336 and EE 309

ME 436  (3+0+0) 3 Credits / 5 ECTS
Modern Control Theory
(Modern Denetim Kuramı)
Pre-requisite: ME 336

ME 441  (2+2+0) 3 Credits / 5 ECTS
Applied Finite Element Analysis
(Uygulamalı Sonlu Elemanlar Analizi)
Pre-requisites: ME 345 and MATH 210

ME 447  (3+0+0) 3 Credits / 5 ECTS
Nanomaterials and Nanotechnology
(Nanomalzemeler ve Nanoteknoloji)
Introduction to nanomaterials and nanotechnology. Nanomaterials and their applications. Discussion of production and characterization methods of nanomaterials. Comparing physical properties of nano-, micro-ranged materials with their macro-ranged counterparts.

ME 453  (3+0+0) 3 Credits / 5 ECTS
Introduction to Aeronautics
(Havacılığa Giriş)
Pre-requisite: ME 353
ME 455  (3+0+0) 3 Credits / 5 ECTS
Applied Fluid Mechanics
(Uygulamalı Akışkanlar Mekaniği)
Pre-requisite: ME 353

ME 460  (3+0+0) 3 Credits / 5 ECTS
Energy Systems
(Enerji Sistemleri)
Energy awareness. Engineering economics and thermodynamics for use in analysis and understanding of energy consumption and production technologies which include: power plants, engines, renewables, residential heating, commercial energy usage, radioactivity, air/water/land pollution, environmental impacts and regulations in society.
Pre-requisite: ME 362

ME 464  (3+0+0) 3 Credits / 6 ECTS
Applied Thermal Systems
(Uygulamalı Isıl Sistemler)
Pre-requisite: ME 362

ME 492  (0+0+8) 4 Credits / 12 ECTS
Senior Project
(Bitirme Projesi)
Design and development of a project for a mechanical engineering problem under the supervision of an academic advisor; submission of the results in the form of a project report and oral presentation.
Prerequisites: Senior Standing

ME 499  (1+0+0) 1 Credit / 2 ECTS
Summer Practice II
(Yaz Stajı II)
Minimum 20 working days of practical work in an organization operating on the design, production, maintenance, management of mechanical or thermal systems.
Pre-requisite: ME 399
Graduate Course Description

ME 531 (3+0+0) 3 / 7.5 ECTS
Modeling and Simulation
(Modelleme ve Simülasyon)

ME 532 (3+0+0) 3 / 7.5 ECTS
Control Systems
(Kontrol Sistemleri)
BASIC SCIENCES
UNIT
TED University Faculty of Arts and Sciences includes the Basic Sciences Unit to organize and administer the common core courses. Directed by Prof. Dr. Şinasi Ellialtıoğlu, this unit is in charge with the task of designing and offering courses that include all the natural sciences, mathematics, social and human sciences, art and literature, Turkish and history.

**Director**

Prof. Dr. Şinasi Ellialtıoğlu

**Academic Staff**


* Research Assistant
** Part Time

**Undergraduate Course Descriptions**

**ART 100 (2+2+0) 3 Credits / 5 ECTS**

Visual Arts and Aesthetics
(Görsel Sanatlar ve Estetik)

Overview of the visual arts as transmitters of cultural, humanistic and aesthetic values, painting, photography and film, architecture and the third dimension, music, literature, performance, popular art and everyday aesthetics, classic sources, contemporary sources.

**ART 104 (2+2+0) 3 Credits / 5 ECTS**

Drama
(Drama)

The definition of creative drama in education, its development and features, the aim and method of drama as a creative art, drama as an art and aesthetic education, creative drama in education in Turkey, its effect on the rearing of creative individuals, the definition of psychodrama, evaluation and measurement approaches for creative drama and creative drama as a tool for guidance and psychological counselling services.
ART 110 (3+0+0) 3 Credits / 5 ECTS
Introduction to Art
(Sanata Giriş)
This course aims to develop students’ ability to express themselves effectively and appropriately, to
familiarize students with major periods of art history from Neolithic to the Roman Period. A chronological
outline of each period will be given in accordance with the social and political developments that played
an important role in the changing structure of art.

ART 120 (3+0+0) 3 Credits / 5 ECTS
Artistic Experience through Berger
(Berger ile Sanatsal Deneyim)
The artistic behavior, and creative act of an art critic and literary figure through own revelations, in films
done by self and in films as the self is reflected in. The multiplicity of creative positions as instances
disseminating through artist’s immediate response and construction in visual media. The creator’s focus
on themes and concepts like time, duration, urban and rural, continuity, position of the artist, seeing-
looking, being-becoming, death-being born.

ART 130 (3+0+0) 3 Credits / 5 ECTS
Introduction to Film Analysis
(Film Analizine Giriş)
This course aims to provide students with a theoretical and historical understanding of the development
of cinema. The course covers major breakthroughs in cinema, as well as different topic, such as style
and meaning, elements of film narrative, and techniques of film production. The main genres and some
key auteurs will be discussed as well as the rise of the studio system, media technology and the role of
the cinema audience.

BIO 101 (3+0+0) 3 Credits / 5 ECTS
Life Sciences
(Yaşam Bilimleri)
Hierarchical order in life, cellular basis of living things, DNA-heritable information, interactions of
organisms, diversity and evolution, physiology of organisms, digestive system, circulatory system,
immune system, respiratory system, endocrine system, nervous system, reproductive system and
human development.

BIO 110 (3+0+0) 3 Credits / 5 ECTS
Introduction to Modern Biology
(Modern Biyolojiye Giriş)
Molecules of life, organization of the cell, chromosomes and cell division, genetics, molecular genetics,
recombinant DNA technology, genetic diseases, evolution, animal development, biotechnology.
COM 250 (3+0+0) 3 Credits / 5 ECTS
Effective Communication Techniques (Etkin İletişim Teknikleri)
Guidance for CV writing and effective interview techniques. Effective communication. Examination of the characteristics of a presentation. Focusing on various stages of preparing a presentation; emphasizing the introduction and the conclusion. Message, content, voice style and body language. Videotaping student progress. (This course is partly in Turkish, partly in English.)

ENG 101 (2+2+0) 3 Credits / 5 ECTS
English for Academic Purposes (Akademik İngilizce Becerileri)
Academic reading and writing skills; critical reading and note-taking within the framework of a thematic and integrated skills approach; writing essays with different methods of organization, giving academic presentations as an outcome of listening and reading activities; emphasis on citation and documentation techniques.

ENG 102 (2+2+0) 3 Credits / 5 ECTS
Expository Writing (Akademik Yazım)
Writing a term paper by following a process approach; doing library and internet research, formulating a thesis and researching supporting ideas; one-on-one tutorials with instructors for feedback during the stages; oral presentation with the aim of defending written work; emphasis on the importance of avoiding plagiarism.

ENG 111 (2+2+0) 3 Credits / 5 ECTS
Advanced English for Academic Purposes (İleri Akademik İngilizce Becerileri)
Analysis of authentic reading pieces such as short stories, magazines, newspapers, and academic articles; organizing paragraphs, essays or reflection papers; developing higher order critical thinking skills through transferring knowledge; solving problems, making inferences; comparing and contrasting definition, descriptive and narrative paragraphs.

ENG 204 (3+0+0) 3 Credits / 5 ECTS
Professional Communication in English (Profesyonel İletişim Becerileri)
Introduction and development of professional skills in English; presenting information and opinions using different means of communication in a business context, appropriate language structures and proper vocabulary for effective communication, a focus on persuasion and problem solving skills; integration of the four language skills based on a functional approach.

ENG 300 (2+2+0) 3 Credits / 5 ECTS
Academic English with Short Stories (Kısa Hikayelerde Akademik İngilizce)
Pre-requisites: ENG 101 and ENG 102
ENG 301 (2+2+0) 3 Credits / 5 ECTS
Great Books & Great Ideas
(Büyük Kitaplar ve Büyük Fikirler)
Analyzing influential ideas in the history of civilizations, reading important books, studying advanced English, using complex linguistic structures, acquiring sophisticated vocabulary, intellectual growth, analytical thinking.
Pre-requisites: ENG 101 and ENG 102

ENG 310 (2+2+0) 3 Credits / 4 ECTS
Academic English with Integrated Writing
(Akademik İngilizce ile Bütünleşik Yazım)
Academic English. Mastering writing skills. Responding to academic texts. Integrated Writing. Multiple skills. Writing integrated compositions.
Pre-requisites: ENG 101 and ENG 102

ENG 320 (2+2+0) 3 Credits / 4 ECTS
Academic English with Poetry
(Şiirle Akademik İngilizce)
Pre-requisites: ENG 101 and ENG 102

GER 101 (3+0+0) 3 Credits / 5 ECTS
Elementary German I
(Temel Almanca I)
Introduction to German with emphasis on reading, writing and speaking, for students with no prior knowledge of German. Use of familiar everyday expressions and very basic phrases.

GER 102 (3+0+0) 3 Credits / 5 ECTS
Elementary German II
(Temel Almanca II)
Basic knowledge of German grammar and structure; further studies on reading, writing and speaking. Asking and answering simple questions, interacting with others in a simple way.

GER 103 (3+0+0) 3 Credits / 5 ECTS
Elementary German III
(Temel Almanca III)
Improving the German language level, defined in the Common European framework of Reference for Languages, from A1 to A2.

HIST 101 (2+0+0) 2 Credits / 2 ECTS
History of Turkish Republic I
(Türkiye Cumhuriyeti Tarihi I)
The characteristics of the Turkish Republic and Atatürk’s reforms in their cultural, ideological and historical context. (This course is conducted in Turkish.)
HIST 102  (2+0+0) 2 Credits / 2 ECTS
History of Turkish Republic II
(Türkiye Cumhuriyeti Tarihi II)
Study of the intellectual foundations of Modern Turkey. Analysis of the main political, social, economic
and cultural currents in the Republican era. Nation state and nationalism as a major force in Turkey. (This
course is conducted in Turkish.)

HIST 150  (2+0+0) 2 Credits / 2 ECTS
History of Turkish Republic for International Students I
(Yabancılar için Türkiye Cumhuriyeti Tarihi I)
Historical, socio-political, economical and cultural modification in Ottoman modernization and
westernization history. The characteristics of the Turkish Republic and Atatürk’s reforms in their cultural,
ideological and historical context. (This course is conducted in English.)

HIST 160  (2+0+0) 2 Credits / 2 ECTS
History of Turkish Republic for International Students II
(Yabancılar için Türkiye Cumhuriyeti Tarihi II)
Historical, socio-political, economical and cultural modification in Turkish Republican and modernization
history. The characteristics of the Turkish Republic and Atatürk’s reforms in their cultural, ideological and
historical context from 1920s to the end of 1990s. (This course is conducted in English.)

HUM 101  (3+0+0) 3 Credits / 5 ECTS
World History I
(Dünya Tarihi I)
Historical evolution of humanity from the first civilizations up to the Renaissance period. Developing
a particular consciousness about human history in terms of the development and transformation of
civilizations, economic systems, technological inventions, cultural productions and political developments.

HUM 102  (3+0+0) 3 Credits / 5 ECTS
World History II
(Dünya Tarihi II)
Historical evolution of humanity from the Renaissance period up to the post-Cold War period. Developing
a particular consciousness about human history in terms of the development of the nation state, economic
systems, technologic inventions, cultural productions and political.

ITA 101  (3+0+0) 3 Credits / 5 ECTS
Elementary Italian I
(Temel İtalyanca I)
Introduction to Italian with emphasis on reading, writing and speaking, for students with no prior knowledge
of Italian. Use of familiar everyday expressions and very basic phrases.
ITA 102 (3+0+0) 3 Credits / 5 ECTS
Italian II
(Temel İtalyanca II)
Basic knowledge of Italian grammar and structure; further studies on reading, writing and speaking. Asking and answering simple questions, interacting with others in a simple way.
Pre-requisite: ITA 101 or consent of instructor.

JAP 101 (3+0+0) 3 Credits / 5 ECTS
Elementary Japanese I
(Temel Japonca I)
Introduction to Japanese with emphasis on reading, writing and speaking, for students with no prior knowledge of Japanese. Use of familiar everyday expressions and very basic phrases.

JAP 102 (3+0+0) 3 Credits / 5 ECTS
Elementary Japanese II
(Temel Japonca II)
Basic knowledge of Japanese grammar and structure; further studies on reading, writing and speaking. Asking and answering simple questions, interacting with others in a simple way.
Pre-requisites: JAP 101 or consent of instructor.

LIT 100 (3+0+0) 3 Credits / 5 ECTS
World Literature
(Dünya Edebiyatı)
Examining the life and works of significant representatives of world literature, literary movements, getting to know the well-known writers and their works and examination of literary texts that shaped the other cultures.

LIT 110 (3+0+0) 3 Credits / 5 ECTS
Introduction to Cultural Studies
(Kültür Araştırmalarına Giriş)
Introduction to essential theories, key terms and concepts of cultural studies, such as identity, hybridity, power, representation, gender and so forth. Analysis of various cultural products and representations from different perspectives.

LIT 202 (3+0+0) 3 Credits / 5 ECTS
Analyses of Visual Culture Texts
(Görsel Kültür Metin Analizleri)
Introduction to the terms image, text, metaphor, symbol, signifier, icon and the kitsch. A brief look at the place of the image in the history of human thought. Analysis of various examples from popular culture, photography and film, to everyday life and world literature.
Pre-requisites: ENG 101 or ENG 102
LIT 210 (3+0+0) 3 Credits / 5 ECTS
Critical Thinking and Writing (Eleştirel Düşünme ve Yazma)
Critical thinking, critical reading, writing and development of discussion skills, benefit from critical thinking in decision making. By benefiting from literary works evaluating what they read, critically and the ability of writing their thoughts.

PHIL 104 (3+0+0) 3 Credits / 5 ECTS
Philosophy and Ethics (Felsefe ve Etik)
Understanding the fundamental concepts, problems, and approaches of philosophy and prominent ethical systems; the place and importance of philosophy for everyday life; the difference between philosophy and other human endeavors such as literature, mythology, religion, and science; appreciation of the deep understanding philosophy provides for human beings; a brief history of philosophy.

PHYS 104 (2+0+2) 3 Credits / 5 ECTS
Introduction to Natural Sciences (Doğa Bilimlerine Giriş)
The general principles of physics and chemistry. Measurement, motion, Newton’s laws of motion, momentum, energy, work, power, heat, thermodynamics, waves, sound light, electricity, magnetism, and chemical principles. Understanding of the physical environment and be able to apply the scientific principles to observations experienced. Concepts of chemistry and physics will be reinforced by laboratory.

PHYS 105 (3+0+2) 4 Credits / 6 ECTS
Physics I (Fizik I)
Vectors and coordinate systems; kinematics, dynamics, Newton's Laws of motion. Charge; electric field, Gauss’ law; electric potential; capacitors; DC circuits. Temperature; Zeroth law of thermodynamics; Thermal expansion; Ideal gas law.

PHYS 106 (3+0+2) 4 Credits / 6 ECTS
Physics II (Fizik II)
Work and energy; conservation of energy and momentum, collisions. Magnetic field; Ampere’s law; Faraday’s law; inductance. Heat; Internal Energy; Specific Heat; First and Second laws of thermodynamics; Entropy.
Pre-requisites: PHYS 105

PHYS 120 (2+0+2) 3 Credits / 5 ECTS
General Astronomy (Genel Astronomi)
RUS 101 (3+0+0) 3 Credits / 5 ECTS
Elementary Russian I
(Temel Rusça I)
Introduction to Russian with emphasis on reading, writing and speaking, for students with no prior knowledge of Russian. Use of familiar everyday expressions and very basic phrases.

RUS 102 (3+0+0) 3 Credits / 5 ECTS
Elementary Russian II
(Temel Rusça II)
Basic knowledge of Russian grammar and structure; further studies on reading, writing and speaking. Asking and answering simple questions, interacting with others in a simple way.
Pre-requisite: RUS 101 or consent of instructor.

SPA 101
Elementary Spanish I
(Temel İspanyolca I)
Introduction to Spanish with emphasis on reading, writing and speaking, for students with no prior knowledge of Spanish. Use of familiar everyday expressions and very basic phrases.

SPA 102
Elementary Spanish II
(Temel İspanyolca II)
Basic knowledge of Spanish grammar and structure; further studies on reading, writing and speaking. Asking and answering simple questions, interacting with others in a simple way.
Pre-requisites: SPA 101 or consent of instructor.

TEDU 400 (0+0+0) 0 Credit / 1 ECTS
Student Development Seminar
(Öğrenci Gelişim Semineri)
Supporting personal development. Development and/or enhancement of the knowledge, skills, and understanding to make informed academic, social, personal, career, and interpersonal decisions. Participation to seminars offered throughout the bachelor education. Expanding artistic and cultural repertoire and increasing interest towards them. (This course is graded as P/F.)

TUR 101 (2+0+0) 2 Credits / 2 ECTS
Turkish I
(Türkçe I)
Explanation of communication; explanation of language and its relationship with thinking process, culture, society and literature; written and oral communication; illustration of main characteristics of the Turkish language, types of narration and its defects. (This course is conducted in Turkish.)

TUR 102 (2+0+0) 2 Credits / 2 ECTS
Turkish II
(Türkçe II)
Properties of “narration” and its types; writing and communication modes; exemplified by selected masterpieces of Turkish and world literature. (This course is conducted in Turkish.)
TUR 150  
(3+0+0) 2 Credits / 2 ECTS

Turkish for Foreigners I  
(Yabancılar için Türkçe I)

Basic knowledge of grammar and vocabulary, familiarization with Turkish culture. Fundamental language skills (listening, reading, writing, spoken interaction and spoken production), communication in Turkish at a basic level in daily life.

Only for non-Turkish speaking students.

Pre-requisite: None

TUR 155  
(3+0+0) 2 Credits / 2 ECTS

Intermediate Turkish for Foreigners  
(Yabancılar için Orta Düzey Türkçe)

Intermediate Turkish. It is aimed that the foreign students who speak Turkish at basic level to express themselves in more various contexts and text types, to realize the modality appearances and usage of Turkish.

Only for non-Turkish speaking students.

Pre-requisite: None

TUR 160  
(3+0+0) 2 Credits / 2 ECTS

Turkish for Foreigners II  
(Yabancılar için Türkçe II)

Development of listening, reading, writing, spoken interaction, and spoken production skills, further improvement of knowledge of the grammar and vocabulary by in-class discussions.

Only for non-Turkish speaking students.

Pre-requisite: TUR 150 or equivalent proficiency
SECONDARY FIELDS
SECONDARY FIELDS

In line with the liberal education system of TED University, all undergraduate students are required to choose a secondary field next to their major within their credits to discover interdisciplinarity. Depending on the major students should take 4 or 5 courses from their secondary field program.

Departmental Secondary Fields

Secondary Fields offered by Faculty of Education

Learning Sciences (available for students except Faculty of Education)

<table>
<thead>
<tr>
<th>CODE</th>
<th>Course Title</th>
<th>CR</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>EDU 101 Introduction to Education</td>
<td>3</td>
<td>6</td>
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<tr>
<td>2</td>
<td>EDU 102 Instructional Principles and Methods</td>
<td>3</td>
<td>6</td>
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<tr>
<td>3</td>
<td>ECE 203 Child Development and Learning</td>
<td>3</td>
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<td>4</td>
<td>GPC 201 Life Span Development</td>
<td>3</td>
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<td>5</td>
<td>GPC204 Psychology of Learning</td>
<td>3</td>
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<td>6</td>
<td>GPC 206 Social Psychology</td>
<td>3</td>
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<td>7</td>
<td>GPC 303 Measurement and Evaluation</td>
<td>3</td>
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English Education (available for students except Faculty of Education)

<table>
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<tr>
<th>CODE</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>1</td>
<td>EDU 101 Introduction to Education</td>
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<td>6</td>
</tr>
<tr>
<td>2</td>
<td>EDU 102 Instructional Principles and Methods</td>
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<tr>
<td>3</td>
<td>ELE 205 Language Acquisition</td>
<td>3</td>
<td>5</td>
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<tr>
<td>4</td>
<td>ELE 302 Technology Enhanced Language Learning</td>
<td>3</td>
<td>5</td>
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<tr>
<td>5</td>
<td>ELE 307 Teaching English to Young Learners</td>
<td>3</td>
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Teaching English for Educators (available for Faculty of Education students)

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<tr>
<th>CODE</th>
<th>Course Title</th>
<th>CR</th>
<th>ECTS</th>
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<tbody>
<tr>
<td>1</td>
<td>ELE 205 Language Acquisition</td>
<td>3</td>
<td>5</td>
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<tr>
<td>2</td>
<td>ELE 209 Approaches to ELT</td>
<td>3</td>
<td>5</td>
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<tr>
<td>3</td>
<td>ELE 210 ELT Methodology I</td>
<td>3</td>
<td>5</td>
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<tr>
<td>4</td>
<td>ELE 302 Technology Enhanced Language Learning</td>
<td>3</td>
<td>5</td>
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<tr>
<td>5</td>
<td>ELE 304 Assessment in ELT</td>
<td>3</td>
<td>6</td>
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<tr>
<td>6</td>
<td>ELE 401 Materials Adaptation &amp; Development</td>
<td>3</td>
<td>6</td>
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</tbody>
</table>
Secondary Fields offered by Faculty of Economics and Administrative Sciences

Management (available for students except Department of Business Administration)

Management secondary field program consists of consists of 4 or 5 Courses.

Students can choose 4/5 BA courses.*

* Students in Department of Industrial Engineering are not allowed to take BA202, BA 305, BA 472, BA 474, BA 476, BA 477, BA 478, and BA 479 as electives to fulfill their requirements.

Students cannot take BA 300, BA 400, BA 401, BA 402 courses for the secondary field.

Economics (available for students except Department of Economics)

Economics secondary field program consists of consists of 4 or 5 Courses.

Students can choose 4/5 ECON courses.*

* Students can take only one of ECON 101 and ECON 110 courses as a part of the secondary field.

* If students have taken one of these courses as a must course, then they cannot take the other as a part of the secondary field.

Students cannot take ECON 300, ECON 400, ECON 401, ECON 402 courses for the secondary field.

Political Science (available for students except Department of Political Science and International Relations)

Political Science secondary field program consists of consists of 4 or 5 Courses.

- PSIR 213 Political Concepts and Processes
- PSIR 214 Political Currents
- PSIR 373 Comparative Politics
- PSIR 351 History of Political Thought I
- PSIR 352 History of Political Thought II

International Relations (available for students except Department of Political Science and International Relations)

International Relations secondary field program consists of consists of 4 or 5 Courses.

- PSIR 291 Global Politics
- PSIR 292 International Relations Theory
- PSIR 367 Public International Law
- PSIR 422 Current Issues in World Politics
- PSIR 491 Foreign Policy Analysis
**Secondary Fields offered by Faculty of Architecture**

**Architectural Culture (available for students except Faculty of Architecture)**

To complete the Secondary Field Program in Architectural Culture, students must take either 4 or 5 courses, according to the number specified by their department’s curriculum. Two of these courses must be the compulsory courses below. The rest can be selected from the departmental elective courses offered by the Department of Architecture with an ARCH code, as long as the pre-requisites are met, if there is any.

Students should begin the program with the course ARCH 121. In special cases which necessitate otherwise, the approval of both the instructor of the course, which is intended to be taken prior to or together with ARCH 121, and of the student’s advisor must be provided.

**Compulsory Courses:**

- ARCH 121 Introduction to Architecture (3+0+0) 3 Credits / 5 ECTS
- ARCH 221 History of Architecture I (3+0+0) 3 Credits / 5 ECTS

**Suggested Program:**

- Semester 5: ARCH 121
- Semester 6: ARCH Elective
- Semester 7: ARCH 221
- Semester 8: ARCH Elective + (ARCH Elective)

**Secondary Fields offered by Faculty of Engineering**

**Industrial Engineering: Systems Modeling and Optimization (available for students except Faculty of Engineering)**

**Pre-requisites:**

- Knowledge of Linear Algebra (MATH 203 or MATH 202 or equivalent),
- Knowledge of Probability Theory (MATH 230 or MATH 233 or MATH 240, or equivalent)

**Required Courses**

a) IE 232 – Mathematical Modeling and Optimization (3+0+0) 3 / 6 ECTS  
b) IE 331 – Mathematical Modeling and Optimization II (3+0+0) 3 / 6 ECTS  
c) IE 332 – Mathematical Modeling and Optimization III (3+0+0) 3 / 6 ECTS

**Elective Courses:** IE XXX - Two of any IE 3xx or IE 4xx courses
Civil Engineering Basics (available for students except Faculty of Engineering)

Pre-requisition: PHYS 101 or PHYS 105

Suggested Courses: PHYS 102 or PHYS 106

Must Courses: CE 211 and CE 214

Elective Courses:

<table>
<thead>
<tr>
<th>CODE</th>
<th>Course Title</th>
<th>Pre-requisites</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE 221</td>
<td>Engineering Mechanics I</td>
<td>-</td>
<td>6</td>
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<tr>
<td>CE 311</td>
<td>Structural Analysis</td>
<td>CE 214 and MATH 210</td>
<td>6</td>
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<tr>
<td>CE 312</td>
<td>Fundamentals of Steel Design</td>
<td>CE 214</td>
<td>6</td>
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<tr>
<td>CE 314</td>
<td>Reinforced Concrete Fundamentals</td>
<td>CE 214</td>
<td>6</td>
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<tr>
<td>CE 341</td>
<td>Soil Mechanics</td>
<td>CE 214</td>
<td>6</td>
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<tr>
<td>CE 342</td>
<td>Foundation Engineering I</td>
<td>CE 341</td>
<td>6</td>
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<tr>
<td>CE 411</td>
<td>Reinforced Concrete Structures</td>
<td>CE 314</td>
<td>6</td>
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<tr>
<td>CE 412</td>
<td>Steel Structures</td>
<td>CE 312</td>
<td>6</td>
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<tr>
<td>CE 442</td>
<td>Foundation Engineering II</td>
<td>CE 342</td>
<td>6</td>
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<tr>
<td>CE 451</td>
<td>Construction Engineering and Management</td>
<td>Consent of the Department</td>
<td>6</td>
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<tr>
<td>CE 452</td>
<td>Practical Aspects of Construction Management</td>
<td>CE 451</td>
<td>6</td>
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<tr>
<td>CE 454</td>
<td>Contractual Aspects of Construction Works</td>
<td>-</td>
<td>6</td>
</tr>
<tr>
<td>CE 455</td>
<td>Sustainable Construction</td>
<td>-</td>
<td>5</td>
</tr>
</tbody>
</table>
Secondary Fields offered by Faculty of Arts and Sciences

General Psychology

The Department of Psychology offers a secondary field (SEC) in "General Psychology". General Psychology secondary field consists of five courses. Students must take PSY 104 as a compulsory course and two courses from each group, Group I & Group II. Courses offered under the title of Group II must be chosen depending on the advisor approval. The secondary field courses of General Psychology were presented below.

<table>
<thead>
<tr>
<th>Courses</th>
<th>Compulsory-Elective</th>
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<tbody>
<tr>
<td>PSY 104 Psychology</td>
<td>C</td>
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<tr>
<td><strong>Group 1</strong></td>
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<tr>
<td>PSY 217 Experimental Psychology</td>
<td>E</td>
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<tr>
<td>PSY 232 Social Psychology</td>
<td>E</td>
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<tr>
<td>PSY 221 Life-Span Development I</td>
<td>E</td>
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<tr>
<td>PSY 203 Research Methods I</td>
<td>E</td>
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<tr>
<td><strong>Group 2</strong></td>
<td></td>
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<tr>
<td>PSY 331 Industrial and Organizational Psychology</td>
<td>E</td>
</tr>
<tr>
<td>PSY 413 Current Topics in Cognitive Psychology</td>
<td>E</td>
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<tr>
<td>PSY 448 Trauma Psychology</td>
<td>E</td>
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<tr>
<td>PSY 303 Health Psychology</td>
<td>E</td>
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<tr>
<td>PSY 332 Group Psychology</td>
<td>E</td>
</tr>
<tr>
<td>PSY 314 Human Memory</td>
<td>E</td>
</tr>
<tr>
<td>PSY 315 Brain, Cognition and Behavior</td>
<td>E</td>
</tr>
<tr>
<td>PSY 421 Cognitive Development</td>
<td>E</td>
</tr>
</tbody>
</table>

Non-Departmental Secondary Fields

Non-departmental secondary fields are available to all undergraduate students. Communication secondary field program is administrated by Faculty of Arts and Sciences. Global Citizenship and Law secondary fields are administrated by Faculty of Economics and Administrative Sciences.

Communication and Critical Media Studies

Compulsory Course: COM 450 Introduction to Media Studies

Elective Courses List:

- COM 330 Introduction to Public Relations
- COM 340 Media Ethics
- COM 350 Media Literacy
- COM 360 Alternative Media
- COM 370 Cinema Studies and Film Analysis
- COM 380 New Media
- COM 455 Turkish Media and Representation
- COM 390 Film Design: Meaning Formation Through Film Practices
Global Citizenship

Global Citizenship secondary field program consists of consists of 4 or 5 Courses.

- CIT 301 Civic Involvement
- CIT 302 Understanding Social Innovation: Concept, Context and Practice
- CIT 310 Introduction to Philosophy of Science
- CIT 320 Diaries and Letters of Great Authors
- CIT 330 Sociology of the City
- CIT 340 The Concept and Practice of Corporate Responsibility
- CIT 350 Social Environmental Ethics
- CIT 372 European Union (EU) and Social Policy
- CIT 430 Citizenship Theories
- CIT 480 Photography on Urban Space
- CIT 492 Gender and the City
- PSIR 221 Global Environmental Issues
- PSIR 294 International Organizations
- PSIR 323 Media and International Politics
- PSIR 377 Social and Political Movements
- PSIR 392 Peace Studies and Conflict Resolution
- PSIR 429 Human Rights and World Politics
- SOC 213 Religion and Modernity

Law

Law secondary field program consists of consists of 4 or 5 Courses.

Compulsory Course

- PSIR 263 Fundamental Principles of Law

Elective Courses List:

- BA 302 Business Law
- CIT 340 The Concept and Practice of Corporate Responsibility
- LAW 352 Law of Contracts
- LAW 361 Consumer Protection Law
- LAW 451 Labor Law
- LAW 452 Main Concepts of Tax Law
- PSIR 266 Turkish Constitutional Law
- PSIR 367 Public International Law
- PSIR 429 Human Rights and World Politics
- PSIR 461 Law of the European Union
Course Descriptions of Non-Departmental Secondary Fields

Communication and Media Studies Secondary Field

COM 330  
Introduction to Public Relations  
(3+0+0) 3 TEDU Credits, 5 ECTS Credits

This course provides students with a detailed introduction to public relations. COM 330 includes a historical origin of public relations and its distinctions from advertising. This course is a particular focus on the public relations theory, many roles of the public relations practitioner and the public relations agency.

COM 340  
Media Ethics  
(3+0+0) 3 TEDU Credits, 5 ECTS Credits

A discovery of moral decision making in the media. An examination of both classical and contemporary approaches to ethical decision making of media. Applying these approaches to media practices, a particular focus of the problematic ethical issues through a number of case studies and ethical approaches to media practices.

COM 350  
Media Literacy  
(3+0+0) 3 TEDU Credits, 5 ECTS Credits

Communication, mass media and media. Reading media through written, visual and electronic media; analysis of the media from a critical perspective. This course is conducted in Turkish.

COM 360  
Alternative Media  
(3+0+0) 3 TEDU Credits, 5 ECTS Credits

A particular focus on alternative media, which are somehow opposite to mainstream or dominant media in terms of their content, production or distribution, challenge the status quo and take the responsibility of becoming the voice of the other, the silenced and ignored. An analysis of the production of alternative media covering women, children, minorities, disabled people, elderly people, LGBT etc. without profit expectation. Discussing and criticizing mainstream media, its history, structure, role, content, development, opportunities and effects on society, the main features of this course is to focus on both alternative, citizen and radical media, the differences between them, their possibilities of affecting the society, the characteristics of peace journalism and its effects to society.

COM 370  
Cinema Studies and Film Analysis  
(3+0+0) 3 TEDU Credits, 5 ECTS Credits

A particular focus on examining and analyzing a series of films stretching across multiple genres, countries, and historical periods. Introducing students to the basic vocabulary of films (montage, cinematography, long take, etc.) and the analytical terms to examine a sequence of films, this course provides a wide array of world cinema.
COM 380 (3+0+0) 3 TEDU Credits, 5 ECTS Credits
New Media
An enriched perspective of New Media, different storytelling and Internet technologies, which have made information accessible from everywhere. A particular focus on the theories and applications of new media sphere, its cultural, political and social consequences.

COM 390 (3+0+0) 3 TEDU Credits, 5 ECTS Credits
Film Design: Meaning Formation Through Film Practices
Expression of ideas and emotions through the language of cinema. Meaning formation. The basic principles and expressive potentials of cinematography, editing and sound design. The manipulative power of film practices in meaning formation. Film design/ideation.

COM 450 (3+0+0) 3 TEDU Credits, 5 ECTS Credits
Introduction to Media Studies
Introduction to Media Studies is designed for students who are interested in doing critical research on media and its outlets. This course aims to explore theories and models of media. Introduction to Media Studies will enable students to analyze (hidden) media messages, helping them to think critically on their meanings and to develop awareness on their impacts regarding society, culture, diversity, etc.

COM 455 (3+0+0) 3 TEDU Credits, 5 ECTS Credits
Turkish Media and Representation
This course aims a critical analysis of representation in Turkish media. It has a particular focus on representing gender, ethnicity, minority, religion, class in 21st century Turkish media through series, news, literature, movies, social media.

Global Citizenship Secondary Field

CIT 301 (3+0+0) 3 TEDU Credits, 5 ECTS Credits
Credits Civic Involvement

CIT 302 (3+0+0) 3 TEDU Credits, 5 ECTS Credits
Understanding Social Innovation

CIT 310 (3+0+0) 3 TEDU Credits, 5 ECTS Credits
Credits Introduction to Philosophy of Science
CIT 320  
Letters and Diaries of Great Minds  
(3+0+0) 3 TEDU Credits, 5 ECTS Credits  
Critical reading of non-fiction on real life experiences of great authors. Analysis of a variety of texts such as; letters, diaries, memoirs and travel writings that will improve academic literacy, and new ideas. Application of critical and evaluative skills through writing activities.

CIT 330  
Sociology of the City  
(3+0+0) 3 TEDU Credits, 5 ECTS Credits  
A set of core concepts and theories in the field of urban sociology. Urban social issues such as urbanization, place and identity, social inequality, globalization, community and neighborhood relations, urban culture, demography and metropolitan problems such as segregation, poverty and urban crime. The relation of social and the physical. Readings, discussions, case studies. Interdisciplinary and interactive learning. Research algorithm. Jury presentation.

CIT 340  
The Concept and Practice of Corporate Responsibility  
(3+0+0) 3 TEDU Credits, 5 ECTS Credits  

CIT 350  
Social Environmental Ethics  
(3+0+0) 3 TEDU Credits, 5 ECTS Credits  
Basic topics and questions in ethics and social environment. Social environmental sciences. Social environmental theories. Applied ethics. Contemporary discussions on biopolitics. Why do we need ethics? How can environmental ethics become a language between human and human, human and nature?

CIT 372  
European Union (EU) and Social Policy  
(3+0+0) 3 TEDU Credits, 5 ECTS Credits  
Social policy with concrete examples from projects implemented in the EU and Turkey. Social protection and inclusion, disadvantaged individuals and groups. Skills, qualifications, equal opportunities and access to the labour market. Decent work, social dialogue, poverty, gender equality. The European Union and its social policies. EU project cycle management and logical framework approach. EU funded projects.

CIT 430  
Citizenship Theories  
(3+0+0) 3 TEDU Credits, 5 ECTS Credits  
Basic concepts on social structure, social institution, social change and social issue. Critical analysis of major texts in various genres for understanding the social issues on local/global scale and generating universal values such as: tolerance, respect and cooperation.
CIT 480 (3+0+0) 3 TEDU Credits, 5 ECTS Credits
Photography on Urban Space
This course aims to address the encounter of a particular form of visual storytelling – documentary photography – with the understanding of space. Students will be introduced with photography as an apparatus to understand and tell the story of urban space. They will be asked to improve their observation skills, decide on the story they want to tell and find out the appropriate form of visual expression for their stories. The documentary photos will further be employed to organise an unorthodox exhibition, which will be utilised to make them familiar with the design thinking approach.

CIT 492 (3+0+0) 3 TEDU Credits, 5 ECTS Credits
Credits Gender and the City

Law Secondary Field

LAW 352 (3+0+0) 3 TEDU Credits, 5 ECTS Credits
Law of Contracts
Concept of obligation and types of obligations. Legal transaction and types. Contract and the general principles that govern the field of law of contracts. Contractual freedom and it's limits; Formation of a contract. Form and freedom of form. Agency. Fulfillment of obligations resulting from contracts, Default of the debtor and creditor, Discharge of obligations, Penalty clause, Condition. Several liability.

LAW 361 (3+0+0) 3 TEDU Credits, 5 ECTS Credits
Consumer Protection Law

LAW 451 (3+0+0) 3 TEDU Credits, 5 ECTS Credits
Labour Law
Historical background of labour law. Employment contract. Labour Code and the provisions of Code of Obligations regulating the employment contract. Parties and the relations between the employer and employee. Organization of work and working time; Termination of employment contract. Job security. Severance pay. Collective labour relations; Trade unions; Strike and lock-outs; Collective agreements and settlement of disputes. Social security This course is conducted in Turkish.
LAW 452  (3+0+0) 3 TEDU Credits, 5 ECTS Credits

Main Concepts of Tax Law

INSTITUTE OF
GRADUATE PROGRAMS
MASTER’S
# MANAGEMENT IN EDUCATIONAL INSTITUTIONS MASTER’S PROGRAM

(without thesis)

(Language of Instruction: Turkish)

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**Examples from Graduate Course Descriptions**

**MEI 590**
Graduation Project (Dönem Projesi)
Developing a proposal or project in the field of administration of educational institution. Preparing oral and written presentation.

**MEI 502**
School Management Practices (Okul Yönetimi Uygulamaları)
MEI 514 (3+0+0) 3 Credits / 7.5 ECTS
Accounting and Budget Management in Education
(Eğitim Kurumlarında Muhasebe Uygulamaları ve Bütçe Yönetimi)

MEI 512 (3+0+0) 3 Credits / 7.5 ECTS
Strategic Management
(Stratejik Yönetim)

MEI 510 (3+0+0) 3 Credits / 7.5 ECTS
Human Resources Management
(İnsan Kaynakları Yönetimi)

MEI 508 (3+0+0) 3 Credits / 7.5 ECTS
Guidance Services in Schools
(Okullarda Rehberlik Hizmetleri)

MEI 506 (3+0+0) 3 Credits / 7.5 ECTS
Development and Learning
(Gelişim ve Öğrenme)

MEI 504 (3+0+0) 3 Credits / 7.5 ECTS
Curriculum Development in Education
(Eğitimde Program Geliştirme)
# ENGINEERING MANAGEMENT MASTER'S PROGRAM
(with and without thesis)
(Language of Instruction: English)

## without thesis

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## with thesis

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376
Graduate Course Descriptions

EM 590 (0+0+0) 0 Credits / 12.5 ECTS
Graduation Project (Bitirme Projesi)
Development of a research project about Engineering Management. In accordance with the project principles, integrating theoretical knowledge with application.

EM 591 (0+0+0) 0 Credits / 5 ECTS
Pre-Thesis Seminar (Teze Hazırlık Semineri)
Determination of thesis subject, problem definition. Prepatory work for thesis such as literatüre review, data collection and method reserach. Presentation of thesis proposal as a seminar. Attending seminars organized as part of the program.

EM 592 (0+0+0) 0 Credits / 30 ECTS
Thesis I (Tez I)
First stage of the M.Sc. thesis performed under supervision of the academic staff. Prerequisites: EM 591

EM 593 (0+0+0) 0 Credits / 30 ECTS
Thesis II (Tez II)
Second stage of the M.Sc. thesis performed under supervision of the academic staff.
## INTERACTIVE COMPUTING AND INFORMATION SYSTEMS MASTER’S PROGRAM

(with and without thesis)

(Language of Instruction: English)

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### Graduate Course Descriptions

**ICT 590**
(0+0+0) 0 Credit / 15 ECTS

Graduation Project
(Bitirme projesi)

Development of a research project about interactive computing and information systems. In accordance with the project principles, integrating theoretical knowledge with application.

**ICT 591**
(0+0+0) 0 Credit / 7.5 ECTS

Pre-Thesis Seminar
(Teze Hazırlık Semineri)

Determination of thesis subject, problem definition. Preparatory work for thesis such as literature review, data collection and method research. Presentation of thesis proposal as a seminar. Attending seminars organized as part of the program.

**ICT 592**
(0+0+0) 0 Credit / 30 ECTS

Thesis I
(Tez I)

First stage of the M.Sc. thesis performed under supervision of the academic staff.

**ICT 593**
(0+0+0) 0 Credit / 30 ECTS

Thesis II
(Tez II)

Second stage of the M.Sc. thesis performed under supervision of the academic staff.
APPLIED DATA SCIENCE MASTER PROGRAM
(with thesis)
(Language of Instruction: English)

First Year

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Graduate Course Descriptions

ADS 501 Probability Theory (Olasılık Teorisi)
(3+0+0) 3 Credits / 7.5 ECTS

Determination of thesis subject, problem definition. Preparatory work for thesis such as literature review, data collection and method research. Presentation of thesis proposal as a seminar. Attending seminars organized as part of the program.
ADS 507 (3+0+0) 3 Credits / 7.5 ECTS
Data Science for Social Scientists
(Sosyal Bilimciler için Veri Bilimi)
Causal inference, Data visualisation, Applications of machine learning and big data in social sciences.

ADS 511 (3+0+0) 3 Credits / 7.5 ECTS
Statistical Inference Methods with Applications
(İstatistiksel Çıkarım Metotları)
Probability, Random Variables, Distributions, Likelihood estimation, Hypotheses testing, Estimators, Regression

ADS 521 (3+0+0) 3 Credits / 7.5 ECTS
Numerical Methods
(Sayısal Yöntemler)
Mathematics of Model fitting, optimisation techniques, regression analysis, Statistical Learning

ADS 522 (3+0+0) 3 Credits / 7.5 ECTS
Advanced Statistical Methods
(İleri İstatistiksel Metotlar)
Bayesian estimation methods, Monte Carlo Methods, Monte Carlo Markov Chain Models, Empirical Likelihood, Splines, Regression and Overfitting, Smoothing

ADS 523 (3+0+0) 3 Credits / 7.5 ECTS
Time Series
(Zaman Serileri)
A variety of statistical models for time series. Main methods for analysing these models. Correlogram and a sample spectrum. Moving average (MA), Autoregressive (AR), ARMA and ARIMA models. Forecasts for a variety of linear methods and models.

ADS 531 (3+0+0) 3 Credits / 7.5 ECTS
Information Retrieval
(Bilgi Erişimi)
Basic information retrieval models; vocabulary, posting lists, inverted indexes; scoring; vector space model; probabilistic information retrieval; text and vector space classification; support vector machines (SVM) and machine learning; clustering; Web search.

ADS 540 (3+0+0) 3 Credits / 7.5 ECTS
Multivariate Analysis with Applications
(Çok Değişkenli Analiz)
Principal Component Analysis, Structural Equation Model, Factor Analysis, Cluster Analysis

ADS 542 (3+0+0) 3 Credits / 7.5 ECTS
Statistical Learning
(İstatistiksel Öğrenme)
Statistical Learning, Linear Methods and Regularization, Classification, Resampling Methods, Non-linear Methods, Tree-based Models, SPM, Unsupervised Learning, Applications using R.
ADS 545  
Ordinary and Generalised Linear Regression Models  
(Doğrusal ve Genelleştirilmiş Doğrusal Regresyon Modelleri)
Linear and Generalised Linear Regression (Logit, Probit) Models, Binary Data, Survival Analysis.

ADS 550  
Stochastic Processes  
(Stokastik süreçler)

ADS 555  
Multilevel and Longitudinal Data Analysis  
(Çoklu Seviyeli ve Panel Veri Analizi)
Multilevel Data Analysis, Longitudinal Data Analysis, Causal Inference, Analysis of Variance.

ADS 591  
Pre-Thesis Seminar  
(Teze Hazırlık Semineri)
Determination of thesis subject, problem definition. Preparatory work for thesis such as literature review, data collection and method research. Presentation of thesis proposal as a seminar. Attending seminars organized as part of the program.

ADS 592  
M. Sc. Thesis I  
(Yüksek Lisans Tezi I)
First stage of the M.Sc. thesis performed under supervision of the academic staff.

ADS 593  
M. Sc. Thesis II  
(Yüksek Lisans Tezi II)
Second stage of the M.Sc. thesis performed under supervision of the academic staff.

ADS 600  
Big Data Analytics  
(Büyük Veri Analitiği)
Map-Reduce Methods, Parallel Computing.

ADS 610  
Data Mining and Data Retrieval  
(Veri Madenciliği)
Accessing structured data in a database such as Mysql or raw data in various forms scattered around on the web.
ARCHITECTURE AND URBAN STUDIES MASTER PROGRAM
(with thesis)
(Language of Instruction: English)

Graduate Curriculum

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Totals expected for graduation

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Graduate Course Descriptions

MAUS 501
Theory and Method in Architecture and Urban Studies
(Mimarlık ve Şehir Çalışmaları Kuram ve Metodolojileri)
Critical theories pertaining to the field architecture and city studies elaborated; with focus on architecture, planning, product design, sociology and similar disciplines. Scientific methodological approaches, related with these theories, are discussed.

MAUS 502
Research Methods, Topics and Ethics in AUS
(Mimarlık ve Kent Çalışmaları Araştırma Yöntemleri, Konuları ve Etiği)
Major research topics in the field of Architecture and City Studies are raised and discussed, in an interactive milieu. Conceptual frameworks are constituted on these problems by critical readings.
MAUS 503 (3+0+6) 6 Credits / 15 ECTS
Architectural and Urban Studies Research Studio I
(Mimarlık ve Kent Çalışmaları Araştırma Stüdyosu I)
In this studio course, problems are formulated in the field of Architecture and City Studies. Conceptual frameworks are constituted on these problems by critical readings. Interactive Dialogue and Innovative Approaches to problems are must.

MAUS 504 (3+0+6) 6 Credits / 15 ECTS
Architectural and Urban Studies Research Studio II
(Mimarlık ve Kent Çalışmaları Araştırma Stüdyosu II)
In this studio course, problems are formulated in the field of Architecture and Urban Studies. Conceptual frameworks are constituted on these problems by critical readings. Interactive Dialogue and Innovative Approaches to problems are must.

MAUS 510 (3+0+0) 3 Credits / 7.5 ECTS
Essay Film as a Research Method
(Araştırma Yöntemi olarak Deneme Film)
Introduction to essay film. An intellectual cinematographic genre that is established at the intersection of academic and artistic modes of expression. Development of academic and intellectual capacities of students through the elaboration of essay film(making) in a methodological approach. Watching essay films; reading essays on these films; making moderated discussions for learning and inventing research methods thorugh essay films. Reading and writing on a specific essay film to make a methodological elaboration.

MAUS 511 (3+0+0) 3 Credits / 7.5 ECTS
Photography On Urban Space
(Kentsel Mekanın Fotoğrafi)
Photography as an apparatus to understand and tell the story of urban space. Students will improve their observation skills, decide on the story they want to tell and find out the appropriate form of visual expression for their stories. The documentary photos will further be employed to organise an exhibition, which will be utilised to make students familiar with the design thinking approach.

MAUS 591 (0-0-0) 0 Credit / 15 ECTS
Pre-Thesis in AUS
(AUS Tez Semineri)
Determination of a subject for thesis study, with relevant literature survey, intent of research and corresponding methodological approach. The seminar format course finalize with a panel jury.

MAUS 592 (0-0-0) 0 Credit / 30 ECTS
Thesis Dissertation in AUS
(AUS Tez Savunması)
MS Thesis Defense, where the applicant candidate will be asked to prepare and present a final thesis-format study, to be defended in front of a five-membered jury, organized as a public open event.
DEVELOPMENTAL FOCUSED CLINICAL CHILD AND ADOLESCENT PSYCHOLOGY
MASTER’S PROGRAM
(with thesis)
(Language of Instruction: English)

Clinical Child and Adolescent Psychology is a subfield of clinical psychology and a specialty in professional psychology that develops and applies scientific knowledge to the assessment, prevention and treatment of mental health problems in children and adolescents within their social context. The specialty in Clinical Child and Adolescent Psychology focuses on the understanding of the basic psychological needs of infants, toddlers, children and adolescents; influence of the family and other social and historical contexts on the psychosocial adjustment, cognitive development, behavioral adaptation and health status; and delivery of psychological services to children and adolescents.

Along with the increased awareness regarding the long-term adverse effects of child mental health problems for individuals, families and societies; training of professionals specialized in this field became an issue of significant importance.

Being the first of its kind in Turkey, TEDU’s “Developmental Focused Clinical Child and Adolescent Psychology MSc Program (DF-CCAP)” aims to train highly-qualified professionals to work in academic or applied settings related the field of clinical child and adolescent psychology. The program adopts a multidisciplinary framework bringing together clinical, developmental and family psychology. Being basically grounded on the discipline of clinical psychology, the program provides our students specific and extensive knowledge and skills related to child and adolescent mental health. Its “developmental focus” enriches the program by incorporating scientific knowledge, methodology and perspectives from developmental science. And the family psychology component complements it by presenting the context in which childhood mental health and disorders can be understood, and prevention, intervention and treatment efforts are realized.

The program is developed:

- On the basis of Scientist-Practitioner Model (Boulder Model) which is a training model for graduate programs that aspires to train students not only as “scientists” producing knowledge, but also as “practitioners” who are able to transfer this scientific knowledge into their applied practice. The curriculum based on this model covers theoretical and practical courses supervision and internships; as well as courses on scientific methodology and research.

- In accordance with the requirements of EuroPsy Specialist Certificate in Psychology. EuroPsy is a European standard of education and professional training in psychology set by the European Federation of Psychologists’ (EFPA) to demonstrate the achievement of a basic level of competence and expertise in practice of psychotherapy.

- As being compatible with the TEDU Quality Assurance System, which provides the students with the opportunity deepen their knowledge and skills in specific areas by taking elective courses. The students in MSc Program can either follow one of two tracks presented below or combine courses from both of them in terms of their professional and academic goals.
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**Totals expected for graduation**

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In-depth understanding of advance regression methods. Simple linear regression, multiple linear regression, interactions, categorical and continuous variables and related topics. Setting up and running the analysis in SPSS; interpreting the results; drawing implications for the research problem.
PSY 504  (1+2+0) 2 Credits / 4 ECTS
Research Colloquium
(Araştırma Uygulaması)
Work closely with faculty members to generate ideas, create research proposals, conduct research, prepare a professional research paper, and present their findings.

PSY 521  (3+0+0) 3 Credits / 6 ECTS
Advanced Developmental Psychology
(İleri Gelişim Psikolojisi)
Origin, continuity, and the nature of developmental change of the human behavior across the life span. Current research trends and debates within the field of developmental science.

PSY 522  (3+0+0) 3 Credits / 6 ECTS
Advanced Cognitive Development
(İleri Bilişsel Gelişim)
Cognitive development together with discussions of constructivist, sociocultural, evolutionary, and biological theories. Perception and memory in infancy and childhood.

PSY 524  (3+0+0) 3 Credits / 6 ECTS
Development, Family, and Culture
(Gelişim, Aile ve Kültür)
Cross cultural investigation of development; cross-cultural and cultural findings, methodological problems, social change and acculturation.

PSY 525  (3+0+0) 3 Credits / 6 ECTS
Developmental Research: New Methods and Designs
(Gelişim Araştırmaları: Yeni Yöntemler ve Desenler)
Research methods in developmental science, investigation of longitudinal and contextual methods, developmental and individual differences, variability versus stability and other issues in human developmental research. Research ethics.

PSY 526  (3+0+0) 3 Credits / 6 ECTS
Parenting and Parent-Child Relations
(Ana Babalık ve Anababa-Çocuk İlişkileri)
Transition to parenthood, parent-child relations and theory and research in the area of parenting in the context of life span.

PSY 540  (2+2+0) 3 Credits / 7 ECTS
Clinical Interviewing
(Klinik Görüşme)
Developing theoretical knowledge and skills on clinical interviewing. Ethics of psychotherapy practice, therapist-client relationship, structure of clinical interview, clinical formulation, developing treatment plan, clinical report writing.
PSY 541 (3+0+0) 3 Credits / 6 ECTS
Developmental Psychopathology (Gelişimsel Psikopatoloji)
Understanding psychological problems in the context of human development. Developmental origins and developmental consequences of social, emotional, and behavioral disturbances in childhood and adolescence. Examination of the characteristics, course, and etiology of childhood disorders with an emphasis on early development, including social, cognitive, biological, and psychological influences.

PSY 542 (2+2+0) 3 Credits / 7 ECTS
Clinical Assessment of Children and Adolescents (Çocuk ve Ergenlerin Klinik Değerlendirme)
Tracking of the development of a child and identifying deviations from normal development and early identification of children at risk on the basis of cognitive, emotional and social assessment. Application, scoring, assessment, interpretation and reporting of particular assessment tools developed for children and adolescents.

PSY 543 (1+2+0) 2 Credits / 4 ECTS
Clinical Supervision I (Klinik Süpervizyon I)
Presentation of the cases followed by the supervisees to the supervisor. Discussion of the issues related to the clinical practice, such as case formulation/management, therapy plan and strategies, therapeutic relationship with the child, adolescent and family, consultation and ethical considerations, under the guidance of a supervisor.

PSY 544 (1+2+0) 2 Credits / 4 ECTS
Clinical Supervision II (Klinik Süpervizyon II)
Presentation of the cases followed by the supervisees to the supervisor. Discussion of the issues related to the clinical practice, such as case formulation/management, therapy plan and strategies, therapeutic relationship with the child, adolescent and family, consultation and ethical considerations, under the guidance of a supervisor. Continuation of Clinical Supervision I.

PSY 545 (0+0+0) 0 Credit / 12 ECTS
Supervised Clinical Practicum / Internship I (Süpervizyonlu Klinik Uygulama / Staj I)
Supervised clinical practice (internship) with children, adolescents and families in a clinical setting.

PSY 546 (0+0+0) 0 Credit / 12 ECTS
Supervised Clinical Practicum / Internship II (Süpervizyonlu Klinik Uygulama / Staj II)
Supervised clinical practice (internship) with children, adolescents and families in a clinical setting. Continuation of Supervised Clinical Practicum I.
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<th>Course Title</th>
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<tr>
<td>PSY 547</td>
<td>(2+2+0) 3</td>
<td>Play Therapy (Oyun Terapisi)</td>
<td>Importance and function of play in the psychosocial development of children and adolescents.; use of play for assessment and intervention purposes, elements of play therapy, play therapy approaches and techniques, application of play therapy for various psychological problems, supervised play sessions.</td>
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<tr>
<td>PSY 548</td>
<td>(3+0+0) 3</td>
<td>Child and Adolescent Psychotherapy (Çocuk ve Ergen Psikoterapisi)</td>
<td>Theoretical frameworks for psychotherapy approaches and clinical skills of observation, assessment, diagnosis, and treatment planning of children and adolescents. Evidence-based interventions utilized for children and adolescents with specific and commonly encountered developmental, social, and behavioral issues. Ethical issues within the framework of child and adolescent psychotherapy. Case examples.</td>
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<tr>
<td>PSY 549</td>
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<td>Family, Crises and Trauma (Aile, Krizler ve Travma)</td>
<td>Definition of crises and trauma, crises and traumatic incidents families may encounter through the stages of life cycle, responses of families in face of psychological trauma and crisis, loss and bereavement, crises and trauma intervention.</td>
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<tr>
<td>PSY 550</td>
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<td>Family Systems: A Developmental Perspective (Gelişimsel Bakış Açısıyla Aile Sistemleri)</td>
<td>Family as the primary social context which influences the individual. Systems Approach, Family Systems Theory and Development Theory. Introduction to systemic perspective. Patterns, processes and dynamics in each of the stages of the family life-cycle.</td>
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<tr>
<td>PSY 551</td>
<td>(3+0+0) 3</td>
<td>Application of Learning Theories to Clinical Practice with Children and Families (Öğrenme Kuramlarının Çocuk ve Ailelerle Klinik Çalışmalara Uygulanması)</td>
<td>Contemporary behavioral models explaining normal development and deviations from normal development in infancy, childhood, and adolescence; application of learning theories to the common mental health conditions of childhood and to the clinical practice with children, adolescents and their families; contributions of learning theory to child case management; foundations of behavioral therapy.</td>
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<tr>
<td>PSY 552</td>
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<td>Family Therapy (Aile Terapisi)</td>
<td>Overview of the systems perspective and family systems; historical roots of family therapy; main schools of family therapy; methods and principles in family therapy practice; family therapy in the 21st century; contemporary approaches and practices in family therapy.</td>
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PSY 554 (2+2+0) 3 Credits / 6 ECTS
**Case Formulation in Child, Adolescent and Family Therapy**  
(Çocuk, Ergen ve Aile Terapisinde Vaka Formülasyonu)
Clinical formulation in child, adolescent and family therapy via case examples. Forming hypothesis. Developing treatment plan based on case formulation.

PSY 556 (2+2+0) 3 Credits / 6 ECTS
**Adolescence and Psychopathology**  
(Ergenlik Dönemi ve Psikopatolojileri)

PSY 560 (1+0+1) 1 Credit / 3 ECTS
**Clinical and Research Ethics**  
(Klinik ve Araştırma Etği)
Ethical principles and guidelines for clinical psychologists; standards of clinical practice, laws and regulations, research ethics, dealing with ethical dilemmas, ethical case discussions.

PSY 590 (0+0+0) 0 Credits / 3 ECTS
**Pro-Thesis Seminar**  
(Teze Hazırlık Semineri)
Determination of thesis subject, problem definition. Preparatory work for thesis such as literature review, data collection and method research. Presentation of thesis proposal as a seminar. Attending seminars organized as part of the program.

PSY 591 (0+0+0) 0 Credit / 15 ECTS
**Master Thesis I**  
(Yüksek Lisans Tezi I)
M.Sc. Thesis performed under supervision of the academic staff. This course must be taken during semesters where the thesis work is done. The thesis must be defended in written and verbal form in front of a jury.

PSY 592 (0+0+0) 0 Credit / 15 ECTS
**Master Thesis II**  
(Yüksek Lisans Tezi II)
M.Sc. Thesis performed under supervision of the academic staff. This course must be taken during semesters where the thesis work is done. The thesis must be defended in written and verbal form in front of a jury.
### ECONOMICS AND FINANCE MASTER’S PROGRAM
(with and without thesis)
(Language of Instruction: English)

#### Semester 1

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* C: Class Lecture, P: Practice, L: Laboratory, Cr: Credits, ECTS: ECTS Credits

### Graduate Course Descriptions

**EF 589**  
(3+0+0) 3 Credits / 7.5 ECTS  
Research Methods and Ethics  
(Araştırma Yöntemleri ve Etik)

Qualitative and quantitative methods in economics and finance. Defining research questions, formulating hypotheses and categorizing variables. Data collection, sampling, analysis and interpretation. Ethical considerations in research. Oral and written communication and dissemination of research findings.

**EF 590**  
(0+0+0) 0 Credit / 15 ECTS  
Graduation Seminar  
(Bitirme Projesi)

Development of a research project about Economics and Finance. In accordance with the project principles, integrating theoretical knowledge with application.

Pre-requisite: EF 589

**EF 591**  
(0+0+0) 0 Credit / 7.5 ECTS  
Seminar  
(Seminer)

Determination of thesis subject, problem definition. Preparatory work for thesis such as literature review, data collection and method research. Presentation of thesis proposal a a seminar. Attending seminars organized as part of the program.

Pre-requisite: EF 590

**EF 592**  
(0+0+0) 0 Credit / 30 ECTS  
Master Thesis I  
(Yüksek Lisans Tezi I)

M.Sc.Thesis performed under the academic supervision. This course must be taken during semesters where the thesis work is done. The thesis must be presented along with a submitted written draft.

Pre-requisite: EF 591

**EF 593**  
(0+0+0) 0 Credit / 30 ECTS  
Master Thesis II  
(Yüksek Lisans Tezi II)

M.Sc.Thesis performed under the academic supervision. This course must be taken during semesters where the thesis work is done. The thesis must be defended in written and spoken form in front of a jury.

Pre-requisite: EF 592
# MIGRATION STUDIES MASTER’S PROGRAM
(with and without thesis)
(Language of Instruction: English)

<table>
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**Semester 2**

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|          | MIGS xxx | MIGS Elective Courses                 | 3 | 0 | 0 | 3  | 7.5 |
|          | MIGS xxx | MIGS Elective Courses                 | 3 | 0 | 0 | 3  | 7.5 |
|          | MIGS xxx | MIGS Elective Courses                 | 3 | 0 | 0 | 3  | 7.5 |
|          | MIGS 591 | Pre-Thesis Seminar                    | 0 | 0 | 0 | 0  | 7.5 |
|          | **TOTAL** |                                         | **9** | **0** | **0** | **9** | **30** |

**Semester 3**

|          | MIGS 592 | Thesis I                              | 0 | 0 | 0 | 0  | 30  |
|          | **TOTAL** |                                         | **0** | **0** | **0** | **0** | **30** |

**Semester 4**

|          | MIGS 593 | Thesis II                             | 0 | 0 | 0 | 0  | 30  |
|          | **TOTAL** |                                         | **0** | **0** | **0** | **0** | **30** |

**Totals expected for graduation**

|          | 21 | 0 | 0 | 21 | 120 |

**with thesis**

**without thesis**

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**Semester 2**

|          | MIGS 502 | International Politics of Migration   | 3 | 0 | 0 | 3  | 7.5 |
|          | MIGS xxx | MIGS Elective Courses                 | 3 | 0 | 0 | 3  | 7.5 |
|          | MIGS xxx | MIGS Elective Courses                 | 3 | 0 | 0 | 3  | 7.5 |
|          | MIGS xxx | MIGS Elective Courses                 | 3 | 0 | 0 | 3  | 7.5 |
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### Semester 3

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**Totals expected for graduation**

|                |               |   |   |   | 30 | 90   |

### Graduate Course Descriptions

**MIGS 501**

*Theories of Migration*

(3+0+0) 3 Credits / 7.5 ECTS

Introduction of the main theoretical perspectives on migration. A brief historical outline beginning with mass migration flows in the latter part of the 19th century leading up to the end of the 20th century. Examination of recent theorizing of transnationalism, forced migration and refugee issues.

**MIGS 502**

*International Politics of Migration*

(3+0+0) 3 Credits / 7.5 ECTS

An exploration of the issue of migration with a view to international politics. Delivery of substantive conceptual and historical information on politics of migration. The effects of contemporary (international) political processes and institutions on migration. An account of problems and prospects regarding migration.

**MIGS 503**

*Scientific Research Methods and Ethics*

(3+0+0) 3 Credits / 7.5 ECTS

The tools of conducting scientific research and writing in migration studies. Development of the theoretical and practical skills to plan, conduct and analyze a scientific study. Development of ethics insight for scientific research and writing.

**MIGS 511**

*Globalization, Multiculturalism and Migration*

(3+0+0) 3 Credits / 7.5 ECTS

An examination of in light of the contemporary debates and discussions around globalization and multiculturalism. The multiculturalist response to migration in various contexts and its criticisms. Citizenship and migration.

**MIGS 512**

*Religion and Migration*

(3+0+0) 3 Credits / 7.5 ECTS

An examination of the social and political issues that arise at the intersection of religious identity and migration. The formation of religious identity, religious conflict, and the effects of these processes on migration. Examination of the tension and solidarity amongst different religious groups, and how these affect migration practices.

**MIGS 513**

*Social Change*

(3+0+0) 3 Credits / 7.5 ECTS

An examination of the content and context of major theories of social change and development. Evaluation of the relevance of these theories to historical experience in different world regions.
MIGS 514 (3+0+0) 3 Credits / 7.5 ECTS
International Migration in the Contemporary World
Contemporary international migration patterns and trends. Global and local interdisciplinary approaches to migration. Development of academic and practical knowledge base and analytical skills about international migration.

MIGS 521 (3+0+0) 3 Credits / 7.5 ECTS
Intergroup Relations
A general overview to the extant literature on intergroup relations. Major theoretical debates and empirical developments in the area of intergroup relations. The influence of group memberships on cognition, emotion, attitudes, and behavior.

MIGS 522 (3+0+0) 3 Credits / 7.5 ECTS
Collective Emotions
An examination of the role of emotional processes (e.g., intergroup emotions, emotion regulation, emotional preferences) in intergroup relations, intergroup conflict, and social justice. Introduction of discrete emotions and different emotional processes, their comparisons. Application of the knowledge of emotional processes to intergroup conflict, such as migration.

MIGS 523 (3+0+0) 3 Credits / 7.5 ECTS
Immigration and Memory
Examination of how personal events during immigration are remembered, how remembering those experiences affects the way a person perceives his/her life story. The cognitive factors underlying why events during immigration are usually remembered better.

MIGS 524 (3+0+0) 3 Credits / 7.5 ECTS
Collective Memory
An examination of the phenomena of people remembering/forgetting as part of a group - one’s country, one’s state, one’s university, one’s family. Collective memories and identity. Knowledge of one’s self and interpretation of the world. The reasons as to why we remember or are unable to remember certain collective events more than others. Examination of how and under what circumstances collective memories are transmitted through next generation from a cognitive psychology perspective.

MIGS 531 (3+0+0) 3 Credits / 7.5 ECTS
Racism, Xenophobia and Migration
Nation, race and ethnicity. An examination of prejudice, discrimination, institutional discrimination, racism, “othering”, the new “cultural racism”, xenophobia and the rise of the radical right. An examination of the challenges towards democracy with the rise of “illiberal democracy”. Discussion of new alternatives to overcome these predicaments.

MIGS 532 (3+0+0) 3 Credits / 7.5 ECTS
Gender and Migration
An examination of the gender-blindness of mainstream gender studies. Evaluation of the current trends in migration. Examination of brain drain, care drain, and care chains. Analysis of gender and migration at the personal, domestic, international and global levels with its social, political and economic aspects.
MIGS 541  (3+0+0) 3 Credits / 7.5 ECTS
Economics of Migration
The economic, social, cultural and political contexts of migration. Investigation of the drivers and impact of migration from an economic perspective. Policy recommendations at both national and international level. Examination of the gains from migration and its redistributive welfare effects.

MIGS 551  (3+0+0) 3 Credits / 7.5 ECTS
Migration Law

MIGS 561  (3+0+0) 3 Credits / 7.5 ECTS
Migration and Space
Introduction to Geography of Migration. Space as the Contextual Determinant of Migration. The urban and the country of the migration space; the transitional and the stationary; the temporary and the permanent spaces, the transitional and the final destinations. The social background of migration with its scope, delimitations, impacts, and factors delineating formation of social identities. Memory and remembrances of the evacuated, deserted, left behind spaces; the memory of place; space in collective memory.

MIGS 591  (0+0+0) 0 Credit / 7.5 ECTS
Thesis Preparation Seminar
Determination of thesis subject, problem and research question definition. Preparatory work for thesis such as literature review, hypothesis generation and methodology research. Presentation of thesis proposal as a seminar. Attending seminars organized as part of the program.

MIGS 592  (0+0+0) 0 Credit / 30 ECTS
Thesis I
M.Sc. Thesis performed under supervision of an academic staff. This course must be taken in the semesters where the thesis work is done. The thesis must be defended in the written and oral form to a jury.

MIGS 593  (0+0+0) 0 Credit / 30 ECTS
Thesis II
M.Sc. Thesis performed under supervision of an academic staff. This course must be taken in the semesters where the thesis work is done. The thesis must be defended in the written and oral form to a jury.

MIGS 594  (0+0+0) 0 Credit / 15 ECTS
Project
Dissertation written under the supervision of an academic staff.
MECHATRONICS ENGINEERING MASTER’S PROGRAM
(with and without thesis)
(Language of Instruction: English)

with thesis

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without thesis

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Graduate Course Descriptions

MATH 501 (3+0+0) 3 Credits / 7.5 ECTS
Advanced Engineering Mathematics
(İleri Mühendislik Matematiği)

MATH 502 (3+0+0) 3 Credits / 7.5 ECTS
Numerical Optimization
(Sayısal optimizasyon)
Fundamentals of unconstrained optimization: line search methods, steepest descent, Newton & quasi-Newton methods, conjugate gradient methods; Linear programming : the simplex method, the interior point method; Constrained optimization : quadratic optimization and active set methods, penalty and barrier methods, Lagrange multiplier method; Sequential quadratic programming; Derivative free optimization: derivative free methods (Powell’s and Hooke-Jeeves methods).

GSSE 599 (1+0+0) 1 Credit / 2.5 ECTS
Research Methods and Ethics
(Araştırma Yöntemleri ve Akademik Yayın Etiği)
Literature survey; Analytical and experimental techniques; Design and evaluation of the questionnaire; Design of experiments; Qualitative and quantitative analysis of the data; Presentation of the results; Ethical issues about the academic publications.

MECE 590 (0+0+0) 0 Credit / 15 ECTS
Graduation Project
(Bitirme Projesi)
Development of a research project about mechatronic systems. In accordance with the project principles, it is aimed to integrate the theoretical knowledge with application.
MECE 591  (0+0+0)  0 Credits / 5 ECTS
Pre-Thesis Seminar
(Teze Hazırlık Semineri)
Determination of thesis subject, problem and research question definition. Preparatory work for thesis such as literature review, hypothesis generation and methodology research. Presentation of thesis proposal as a seminar. Attending seminars organized as part of the program.

MECE 592  (0+0+0)  0 Credits / 30 ECTS
Thesis I
(Tez I)
M.Sc. Thesis performed under supervision of an academic staff. This course must be taken in the semesters where the thesis work is done. The thesis must be defended in the written and oral form to a jury.

MECE 593  (0+0+0)  0 Credits / 30 ECTS
Thesis II
(Tez II)
M.Sc. Thesis performed under supervision of an academic staff. This course must be taken in the semesters where the thesis work is done. The thesis must be defended in the written and oral form to a jury.
ENGLISH LANGUAGE SCHOOL
## ENGLISH LANGUAGE SCHOOL (ELS)

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402
The Mission of English Language School

The aims of ELS program are as follows:

• To provide high quality language education
• To equip our students with English language skills necessary for undergraduate studies at TEDU and future professional lives
• To help students develop critical, reflective and creative thinking skills
• To help students become independent individuals

Our Philosophy of Education

The educational principles of TEDU English Language School are:

• To make learning meaningful
• To ensure the active participation of students
• To be guiding and facilitating trainers
• To apply different learning styles
• To emphasize independent learning
• To mentor learners
• To provide students with continuous feedback

STRUCTURE OF THE PROGRAM

1. ELS LANGUAGE PROGRAM

The Program at the English Language School runs on a semester-based system which encourages student motivation and enables students to fully acquire the necessary skills. Program comprises of 4 levels that are D, C, B and A.

• At the end of the program, students are required to have 60 out of 100. If they are successful, they go on to the higher level.

• Students placed in D, C or B level will be placed in a higher level in the next semester on condition that they collect 60 out of 100 at the end of the semester. For these students to be able to move on to their departmental studies at the end of the spring semester, 30% of the score that they have collected during the semester and 70% of their EPE scores must sum up to 65 or higher. For students placed in the A level at the beginning of the fall semester to be able to move on to their departmental studies at the end of the fall semester, 30% of the score that they have collected during the semester and 70% of their EPE scores must sum up to 65 or higher.
• Each student will be provided the opportunity to start his/her undergraduate studies within a year. Students who are not able to pass on to their undergraduate studies the first year, may attend our school for another semester or year depending on their level.

2. LEVEL DESCRIPTIONS

The number of sessions per week is different depending on the specified level.

• D Level: 24 hours per week
• C Level: 22 hours per week
• B Level: 20 hours per week
• A Level: 20 hours per week

Students who are able to complete their education at ELS with a high level of English in become eligible to:

• Understand and take notes by differentiating the main idea and details of academic sessions, texts and speeches while listening.
• Summarize the academic sessions, texts and speeches by using the notes taken.
• Ask and answer the questions by considering the academic sessions, texts and speeches that they listen.
• Read the texts and summarize the important main ideas.
• Synthesize and summarize the reading and the listening texts by thinking critically.
• Synthesize the reading and the listening texts by their own words.
• Express themselves in written and spoken forms by using wide range of vocabulary and wide variety of grammar points.
• Make speeches concerning academic content and communicative purposes.
VI. ACADEMIC RULES AND REGULATIONS
ACADEMIC RULES AND REGULATIONS FOR UNDERGRADUATE STUDY
(Turkish version is the legally binding document)

PART ONE
Aim, Scope, Basis and Definitions

Aim
ARTICLE 1 - (1) The aim of the rules and regulations herein are to regulate the procedures and principles with regard to registration, education, examination and graduation of the students attending undergraduate programs at the faculties of TED University.

Scope
ARTICLE 2 - (1) The rules and regulations herein cover the principles of admission and registration, examination, assessment of achievement, provision of diplomas and other related procedures pertaining to undergraduate study at the faculties of TED University.

Basis
ARTICLE 3 - (1) The rules and regulations herein have been based on Articles 14, 43 and 44 of the Higher Education Law No. 2547 dated 4/11/1981.

Definitions
ARTICLE 4 - (1) These terms shall have the following meanings heretofore;

a) Relevant board : TED University Faculty board(s)
b) Relevant executive board : TED University Faculty Executive Board(s)
c) Board of Trustees : TED University Board of Trustees
d) Rector : TED University Rector
e) Senate : TED University Senate
d) University Executive Board : TED University Executive Board
f) University : TED University

PART TWO
Academic Calendar, Education Programs, Duration of Education and Tuition Fees

Semester System and Academic Calendar
ARTICLE 5 - (1) Undergraduate study is arranged on the basis of semesters.

(2) The academic year consists of 14 weeks for both fall and spring semesters, excluding the final examination period.

(3) In addition to fall and spring semesters, a seven-week summer session is organized upon the decision of the Senate and the approval of the Board of Trustees. The principles and procedures applicable to the summer session are determined by the Senate.

(4) The dates and duration pertaining to all educational activities are included in the academic calendar prepared by the Senate.
Quotas and Education Programs

ARTICLE 6 - (1) The number of students with or without scholarship to be admitted to faculty degree programs in the subsequent academic year is determined by the Board of Trustees upon the proposal of the university Executive Board and is finalized with the approval of the Higher Education Council.

(2) The competencies expected from a student who graduates from a diploma program and the educational programs composed of courses, laboratory work, internship and similar activities are prepared by the respective administrative boards and approved by the Senate.

(3) All changes in curricula for the subsequent academic year are determined, finalized and announced by the end of June every year in accordance with the same procedures and principles.

Medium of Instruction

ARTICLE 7 - (1) The medium of instruction in TED University undergraduate programs is English. However, as required by Higher Education Law No. 2547, mandatory courses to be given in Turkish, as well as other courses determined by the Senate, are taught in Turkish and are specified as such in the University Catalog.

Duration of Study

ARTICLE 8 - (1) The regular teaching period at the English Language School preparatory program is two semesters. For elementary level students, the period includes a pursuant summer session, in addition to the two semesters. Students whose level of English is deemed insufficient at the end of this period are entitled to study English one more year.

(2) The undergraduate study is normally eight semesters at the faculties of the University.

Student Advisors

ARTICLE 9 - (1) For each student enrolled at TED University, a faculty member is appointed as an advisor by the relevant department chair. The duty of the student advisor is to follow up on the academic performance, to assist in the scheduling of the student’s education program, and to guide the student within the framework of regulations and directives.

Tuition Fees

ARTICLE 10 - (1) Undergraduate study at TED University is subject to tuition fees. The fees are determined annually by the Board of Trustees.

(2) Students who fail to pay the annual tuition fee by the announced due dates are not registered, their registration is not renewed and leave of absence requests are not granted. These individuals are not able to benefit from the rights of students.

Scholarships

ARTICLE 11 - (1) Except for students who are placed with scholarships in various programs of the university by the Student Selection and Placement Center (SSPC), the principles on distribution of the additional scholarships and financial assistance provided to the students from various sources are determined by the Senate.
PART THREE
Principles of Admission and Registration

Admission of New Students

ARTICLE 12 - (1) The admission of students to the first year of undergraduate programs is done in accordance with the results of the annual examination carried out by the Student Selection and Placement Center.

(2) Admission of international students is done with the decision of the relevant executive board within the framework of the regulations and decisions of the Higher Education Council, within the provisions of higher education law and in accordance with the conditions outlined by the Senate.

(3) Transfer students placed at other universities by SSPC can be exempted from the courses they have successfully completed in these universities with the decision of the relevant executive board, provided that they submit an application in the first week of the academic year. In case of approval of course exemption, the student’s grade for the relevant course is indicated as “T”.

Admissions via Horizontal or Vertical Transfer

ARTICLE 13 - (1) Admission to TED University undergraduate programs is open to students from other national and international higher education institutions via horizontal or vertical transfers.

(2) The quotas of such transfers are determined with the approval of the Board of Trustees upon the proposal of the university Executive Board. It is also determined within the provisions of the Rules and Regulations No: 27561 on the “The Regulation for Student Transfer Between Associate Degree and Bachelor’s Degree Programs, Double Major and Minor Programs and Course Credit Transfers Between Institutions of Higher Education Institutions”, published in the Official Gazette on 24/4/2010.

(3) Candidates applying for horizontal or vertical transfer are required to fulfil the English proficiency requirements set for candidates starting undergraduate programs of the university.

Horizontal Transfers within the University

ARTICLE 14 - (1) In horizontal transfers within the university, students are required to have completed the first two semesters satisfactorily (excluding the language preparatory program), not have been dismissed from the university for any reason, and to fulfil the requirements of The Regulation for Student Transfer Between Associate Degree and Bachelor’s Degree Programs, Double Major and Minor Programs and Course Credit Transfers Between Institutions of Higher Education Institutions, in addition to the conditions determined by the Senate if applicable.

Special Students

ARTICLE 15 - (1) Students or graduates of other higher education institutions can be accepted as special students in undergraduate courses in order to develop their knowledge and skills on a specific subject.

(2) Candidates applying to take courses with special student status are required to fulfil the requirements
set for English proficiency necessary for study at the undergraduate programs of the university.

(3) The application, courses and total course hours of special students are decided on by the relevant executive board, taking the opinion of the relevant department's chair into account.

(4) Neither diplomas nor credits are awarded to special students. A document indicating the courses taken and their grades is given upon their request.

(5) Special students pay a tuition fee on the basis of the courses they attend in accordance with the principles determined by the Board of Trustees.

**Exchange Programs**

**ARTICLE 16** - (1) TED University can arrange student exchange programs with national and international universities, can send students to other higher education institutions for a maximum of two semesters within the scope of these programs and can receive students from other higher education institutions.

(2) Student exchange is possible within the framework of the basics set forth in the Regulation for Student Transfer Between Associate Degree and Bachelor’s Degree Programs, Double Major and Minor Programs and Course Credit Transfers Between Institutions of Higher Education Institutions, in addition to the conditions determined by the Senate with the decision of the Executive Board of the relevant faculty or higher school.

(3) The students sent to other higher education institutions within the scope of exchange agreements continue to be enrolled at TED University during the period they spend in the exchange program.

(4) Students are not eligible for exchange programs in the final semester of their senior year.

(5) Credit and grade matching of the courses the students have taken in other higher education institutions with their advisor’s approval, within the scope of exchange agreements, is done with the decision of the relevant executive board.

(6) All exchange students pay the tuition fee required by the higher education institutions that they are registered in.

**English Proficiency Examination**

**ARTICLE 17** - (1) The students who complete their registration take the English Placement Examination given by the English Language School.

(2) The students who score higher than the predetermined level in that examination enter the English Proficiency Test.

(3) The students who score lower than the predetermined level attend the level determined in accordance with their performance, and the weekly course hours and rules of changing levels are determined by the English Language School.

(4) The students who fail the English Proficiency Examination continue in the English Preparatory Class for one year. The principles of teaching at the English Preparatory Class is determined by the Senate.
(5) National and international tests equivalent to the English Proficiency Examination can exempt students from enrolling in the university preparatory program and the minimum scores necessary for exemption are determined by the Senate.

(6) Students who provide documentation of the required level of success determined by the Senate directly start the undergraduate programs.

(7) Undergraduate students with gaps in their education of two consecutive years or four semesters due to reasons such as leave of absence, failure to renew registration, etc., are required to prove their competency through the English Proficiency Examination or through an equivalent test approved by the Senate. However, for those who spent the relevant time in national or international English medium higher education institutions, such a condition is not be applicable.

Initial Registration

ARTICLE 18 - (1) The students admitted at the University are required to obtain the necessary documents announced for registration and to register personally at the University within the time period indicated in the academic calendar.

(2) Candidates who cannot register individually due to valid reasons might have their initial registration processed through a legal representative.

(3) Candidates who fail to complete registration in the required time lose their registration rights.

(4) Registration of candidates with missing or damaged documents or candidates expelled from any higher education institution as a penalty is annulled.

(5) At registration, originals or copies approved by the university are accepted. For military status and judicial records, the declaration of the candidate is valid.

Renewal

ARTICLE 19 - (1) At the beginning of each semester, the students of the university are required to renew their registration within the time period indicated in the academic calendar prepared by the Senate and announced by the Rector’s Office. This process involves selecting courses under the guidance of their advisors, paying the relevant tuition fees and completing other liabilities to the university.

PART FOUR

Undergraduate Programs

Curricula and Course Loads

ARTICLE 20 - (1) The courses to be taken by the students in each semester consist of required and elective courses, laboratory, practice, project, thesis and similar studies.

(2) Required courses are the courses that the student is obliged to take, whereas the electives are the courses that the student selects from among various groups of courses.
(3) The courses in the curriculum are taken in accordance with the course hours, credits and prerequisites, if any, within the framework of the below mentioned conditions:

a) Students taking courses for the first time or repeating courses from previous semesters are required to first register for these courses. If these courses to be repeated or to be taken for the first time are in the same semester, students need to take the ones from the earliest semester.

b) “F” and “FX” grades show that the student has failed that course. The students with these grades are required to repeat the course upon the first availability of the mentioned course, if it is a program requirement.

c) Students who do not fulfill the prerequisites of a course are not registered for the course.

d) In case of multiplicity or conflict of the courses a student should take or repeat it is possible not to take some or all of the courses in the curriculum of that semester.

e) The students are able to add or drop courses within the period indicated on the academic calendar. Add/drop is subject to the conditions applicable for regular registration such as prerequisite courses, maximum course load, minimum required course load and conflicting courses. The add/drop period shall not exceed two weeks following the start of the semester. Students are not able to drop the courses they are repeating from the semester of their earliest “F” or “FX” grade(s).

e) Prior to the deadline of the withdrawal period indicated on the academic calendar, students are able to withdraw from a maximum of two courses in a given semester and a maximum of six courses throughout their education. These students receive a “W” for these courses. The approval of the student’s advisor is required for withdrawal. No refund is given for fees related to “W” courses. Students are not able to withdraw from the required courses being repeated from the earliest semester and from courses with the grade of “F” or “FX”. The mark of “W” does not hinder graduation. Students are not able to withdraw from courses in the last four weeks of the semester.

Course and Credit Loads

ARTICLE 21 - (1) The number of examinations, practical assignments and other assignments that are the students’ responsibilities for each course, the contribution of these to the final grades and the requirements of the final exam are determined by the instructor and disclosed to the students at the onset of the semester.

(2) Depending on the characteristics of a course, a final exam may be excluded, upon the approval from the relevant Executive Board.

(3) The regular course load advised to students is equal to the average number of credits per semester in a given program, plus or minus two credits. The average number of credits per semester is calculated by dividing the total number of credits in the curriculum by 8.

(4) The course load of a student can be increased or decreased with the approval of the student’s advisor. However, students registered for the first time in the first semester of a diploma program are not able to exceed the regular course load of that semester. Exceeding the regular course load (i.e. overloading) by 8 credits is not allowed. The minimum course load is 9 credits per semester, which can be reduced to 6 credits with the decision of the relevant Executive Board. The students who are expected to graduate in a maximum of two semesters are not subject to that condition.
Late Registration and Unregistered Student Status

ARTICLE 22 - (1) Students who fail to register by the designated registration dates may also register late during the add/drop period stated in the academic calendar. Students who also fail to register before the end of the add/drop period are not registered unless they can show valid acceptable reasons for the delay, to be approved by the relevant executive board within two weeks of the end of the add/drop period. Moreover, students registering late are obliged to fulfil the additional requirements determined by the Senate.

(2) Students who do not renew their registration become unregistered students. Unregistered students cannot enjoy the rights to which registered students are entitled to. The period spent while a student is unregistered is included in the term of study. Unregistered students may re activates their registrations in the following registration period. Students wishing to reactivate their registrations will have to pay the tuition fee for the year and are not able to benefit from any TEDU scholarships they were previously awarded.

Attendance

ARTICLE 23 - (1) Students must attend the theoretical and practical class hours, examinations and other academic studies as required by the instructors.

(2) The attendance requirements will be announced by the instructor at the beginning of the semester.

Summer Internship

ARTICLE 24 - (1) For programs that require summer internship, the rules of conduct of the summer practicum are determined and declared by the Senate.

Double Major and Minor Programs

ARTICLE 25 - (1) The Senate might open double major and minor programs. The regulations governing these programs are determined by the Senate.

PART FIVE

Assessment

Examinations

ARTICLE 26 - (1) Each semester ends with an examination period known as the final examination period. Final examination periods are announced in the academic calendar.

(2) The final exam dates are announced at least four weeks before the final examination period of fall and spring semesters and two weeks before the final exam period of summer session.

(3) At least one midterm exam and one final exam are given for each course.

(4) The instructor may assess the assignments, laboratory practices and similar activities as midterm or final exam.

(5) The courses for which no midterm or final exam will be given are decided on by the relevant faculty boards.
(6) The excuse of a student, who could not attend the final exam due an illness or other hardship, will be investigated by the University Plea Committee. If the committee accepts the student's excuse, the student will be entitled to a make-up exam. The excuse of a student failing to attend a midterm examination will be directly evaluated by the instructor of the course. If the instructor accepts the excuse, the student will be entitled to make up for the unattended midterm. These students may be entitled to make-up exams, or weight adjustments of the final exam, or assignment of an additional project/essay or similar procedure.

(7) Instructors are expected to submit letter grades to the Rector's Office and Registrar's Office information system within one week of the course final exam date.

(8) Once recorded by the Registrar's Office, letter grades may only be altered if a written explanation, together with supporting documentation, is submitted by the course instructor to the dean’s office of the relevant department. This application is evaluated by the executive board of the relevant faculty. Upon approval, the registrar will make the necessary correction to the student’s academic record, provided the procedure is completed before the end of the next registration period.

(9) Exam papers and student answers will be kept on file by the university for at least two years following the term in which the course is offered.

Grade Appeals

ARTICLE 27 - (1) Students may request their instructor to review a grade for any exam in a course within one week after the grade announcements. If the appeal is rejected, students may submit a written appeal to the dean’s office of the department by which the course is offered. The relevant board may, in turn, designate a review committee consisting of three members to make the final decision. If the decision is in favor of changing the result of the exam and if this requires a change in the final semester course grade of the student, the final grade is changed. For courses not offered by the faculties, the Rector’s Office and the university Executive Board bear the responsibility of the review process explained above.

Letter Grades and Marks

ARTICLE 28 - (1) For each course taken by the student, as a result of the required exams or similar evaluations, one of the following grades is given by the course instructor:

<table>
<thead>
<tr>
<th>Grades</th>
<th>Status</th>
<th>Grade Point Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>Excellent</td>
<td>4.00</td>
</tr>
<tr>
<td>BA</td>
<td>Good-excellent</td>
<td>3.50</td>
</tr>
<tr>
<td>BB</td>
<td>Good</td>
<td>3.00</td>
</tr>
<tr>
<td>CB</td>
<td>Satisfactory-good</td>
<td>2.50</td>
</tr>
<tr>
<td>CC</td>
<td>Satisfactory</td>
<td>2.00</td>
</tr>
<tr>
<td>DC</td>
<td>Weak-satisfactory</td>
<td>1.50</td>
</tr>
<tr>
<td>DD</td>
<td>Weak</td>
<td>1.00</td>
</tr>
<tr>
<td>F</td>
<td>Failing</td>
<td>0.00</td>
</tr>
<tr>
<td>FX</td>
<td>Failing</td>
<td>0.00</td>
</tr>
<tr>
<td>P</td>
<td>Passing</td>
<td>-</td>
</tr>
</tbody>
</table>
a) Letter grades “AA” and “BA” indicate that the course was completed with “outstanding achievement”
b) Letter grade “CC” indicates that the course was completed with “satisfactory achievement”
c) Letter grades “DC” and “DD” indicate that the course was completed “conditionally”
d) Letter grade “FX” is assigned to students who have failed to attend classes or failed to participate in the midterm exam, final exam, term project or in similar major course assessment activities
e) Students who receive grades “F” and “FX” for a required course are required to repeat the course upon its first availability in a regular term. The summer session is not a regular term in this context.

Other Grade Symbols Used

ARTICLE 29 - (1) Other than the letter grades mentioned in Article 28, the following grades can be used under certain circumstances explained below.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>T</td>
<td>The letter “T” (Transfer) is assigned for those courses taken at another university by students transferring to TEDU or by TEDU exchange students who studied abroad. Such courses taken at another university are transferred as credit only, not for a grade, and must be approved by the relevant faculty board as equivalent in content to a course in the pertinent academic curriculum of TED University.</td>
</tr>
<tr>
<td>NC</td>
<td>The letter “NC” (Non-Credit) is given for completed courses not included in the calculation of grade point average</td>
</tr>
<tr>
<td>NP</td>
<td>The letter “NP” (Not Present) is given to students who did not take the final exam. In cases when this letter is given, the course instructor is expected to convert it to a letter grade before the deadline for make-up grade entries. In case of failure to convert it to a letter grade within the required period, the letter “NP” will automatically turn into a letter grade “F”.</td>
</tr>
<tr>
<td>I</td>
<td>The letter “I” (Incomplete) is given to students who cannot complete the course requirements, like projects or term papers, by the end of the semester or the summer session for a reason accepted by the course instructor. The letter “I” must be converted to a letter grade within two weeks of the deadline for grade submission to the registrar. In case of failure to convert the letter “I” to a letter grade within the required period, it will automatically turn into a letter grade “F”</td>
</tr>
<tr>
<td>R</td>
<td>The letter “R” (Repeat) indicates a repeated course</td>
</tr>
<tr>
<td>W</td>
<td>The letter “W” (Withdrawal) is given to students who withdraw from a course within the withdrawal period mentioned in the academic calendar.</td>
</tr>
<tr>
<td>L</td>
<td>The letter “L” (Leave) is given to students on leave.</td>
</tr>
</tbody>
</table>

Grade Point Averages and Academic Standings

ARTICLE 30 - (1) Academic standings of the students are determined by calculating their grade point averages at the end of each semester.

(2) The total credit points obtained from a course are calculated by multiplying the course’s number of credit hours and the grade point value of the final letter grade received. (See chart in Article 28.)
(3) Semester Grade Point Average (SPA) is calculated by dividing the total credit points obtained from all the courses a student has taken in the pertinent semester by the total number of credit hours received in those courses.

(4) Cumulative Grade Point Average (GPA) is calculated by taking into consideration all the courses a student has taken since the beginning of the program. If there are repeated courses, the last grade obtained from the course, replaces the previous grade and is included in the grade point average calculation.

(5) Calculated semester and cumulative grade point averages are rounded to two decimal places.

(6) Students may repeat courses for which they have received a letter grade “DD” and/or “DC” in order to raise their grade point averages. Courses with letter grades “CC” and above cannot be repeated.

(7) Students with cumulative grade point averages of 2.00 and above are in good academic standing.

(8) Students with cumulative grade point averages less than 2.00 are placed on academic probation; probationary students are not entitled to course overload. These students must first repeat the courses from which they have received conditionally passing grades (“DD” or “DC”) to raise their grade point averages.

(9) Course overloads of students in good academic standing and mandatory course repeats of students on probation are regulated on the basis of the principles determined by the Senate.

(10) Every semester, students with SPAs between 3.50 and above qualify as “High Honor” students. Those with SPAs between 3.00 and 3.49 qualify as “Honor” students, provided they have taken the regular course load and have a cumulative GPA of 2.00 or above.

PART SIX

Leave of Absence / Withdrawal from University

Leave of Absence

ARTICLE 31 - (1) With the condition of provision of necessary documents, students may apply for leaves of absence due to health related matters, military service, education abroad or other academic, financial or familial obligations, as well as other extraordinary reasons accepted by the university Executive Board.

(2) The application for leave of absence must be submitted to the dean’s office of the relevant faculty by a petition with supporting documents any time up to and including the last working day of the fourth week following the start of the classes. Applications after the end of this period are not processed. The request for leave of absence is granted upon the approval of the relevant faculty executive board.

(3) In the case of immediate sickness, a serious accident or other extraordinary circumstances occurring after the end of the application period for leave of absence, the status of the student is evaluated by the university Executive Board.
(4) Students are entitled to leave the university for a maximum of two consecutive semesters and four semesters in total during their term of the study. In obligatory situations upon the proposal of the relevant faculty executive board the term can be extended with the decision of the university Executive Board.

(5) Students requesting leave of absence from the university must pay half the tuition fee of the pertinent semester and clear all their debts to the university prior to the activation of the process. The tuition fees paid for the period of leave will not be deducted from the following semester’s fees. Students considered on approved leave upon the decision of the University Executive Board after the indicated deadline, have to pay the tuition fee for the respective semester.

Withdrawal from University

ARTICLE 32 - (1) Students who wish to withdraw from the university must apply in writing to the relevant dean’s office and follow the procedures required by the university. These students must fulfil their tuition fee and other financial obligations in order to receive their high-school diplomas and other related personal documents from the registrar’s files. If requested, students can be given a document indicating their grades. The notarized copies of the high-school diploma and other documents required at the stage of registration will be kept on file in the Registrar’s Office.

(2) If the student’s withdrawal request is received prior to the start of courses, the student is not obliged to pay any tuition fee. Fifty percent of the tuition fee paid for the pertinent semester will be refunded to the student if the withdrawal request is filed any time up to and including the last working day of the fourth week following the start of the classes in a regular semester or the second week following the start of courses in the summer session. In all other cases, no refund will be made by the university.

PART SEVEN

Graduation

Special Requirements

ARTICLE 33 - (1) Apart from maintaining the required satisfactory grade point averages, students must spend their last semester, excluding the summer session in TEDU. At least half of the total credit points required by the curriculum must be obtained from courses completed at TEDU.

Diploma and Honors Documents

ARTICLE 34 - (1) Students who successfully complete all courses in the undergraduate program in which they are registered with a cumulative grade point average of at least 2.00 are eligible, with the condition of fulfilling the other graduation requirements, to receive the “Undergraduate Diploma of TED University” upon the decision of the relevant executive board.

(2) Students with a grade point average of at least 2.00 but failing to fulfil the graduation conditions due to “F” (not valid for FX) letter grades in a maximum of two courses, may be given the opportunity to take an exam or to undertake an equivalent academic project by the relevant executive board, upon the favorable opinion of the relevant instructor. With this exam or project, the student can compensate for the letter grade(s) of “F” without repeating the course(s).
(3) Students who complete their undergraduate education within 9 semesters or less with cumulative grade point averages between 3.00 and 3.49 graduate with “Honor,” and the ones with cumulative grade point averages of 3.50 or above graduate with “High Honor.” Students who receive disciplinary penalties during the course of their education in the university, however, are not entitled to such status. Students graduating with “Honors” and “High Honor” graduates are issued an honorary certificate indicating their status along with their diplomas.

(4) The requirements for diplomas and graduation of students earning double major or minor degrees are determined by the Senate.

(5) In the event that a diploma is lost, a new copy is issued only once, provided that the fee is paid and a lost notice is published in the national press. The new copy is printed with the phrase “second copy” on it.

ARTICLE 35 - (1) An “Associate Degree Diploma” is awarded to students who choose to leave the university or are expelled from the university without completing their degree program, but have completed all the courses of the first four semesters or at least half of the total credit of the programs that they are registered in with a grade point average of at least 2.00

Discipline

ARTICLE 36 - (1) The disciplinary proceedings of students are conducted in accordance with the “Rules and Regulations Governing the Disciplinary Procedures in Institutions of Higher Education” published in Official Gazette issue 18634, dated 13/1/1985.

PART EIGHT

Execution and Enforcement

Enforcement

ARTICLE 37 - (1) These regulations come into effect on the date of their issue.

Execution

ARTICLE 38 - (1) These regulations are executed by the Rector of TED University.

i. University Senate Decision 29.08.2012 – No.2012/5:

The minimum number of students for opening an elective course is 10. This number is 15 for the first year and second year service courses. This criteria is not valid for the establishment period (until the first graduates). For the summer school the designation of the tuition fee and the minimum number of students for opening a course is done according to the current budget limitations. These rules are defined and announced each year along with the summer school decisions.

ii. University Senate Decision 01.08.2013 – No. 2013/6:

The tuition fee payments done after the deadline announced in the Academic Calendar will be subject to a surcharge of 30TL per each business day (the respective payment continues until the end of add/drop period).
iii. University Senate Decision 29.08.2012 – No. 2012/5:

Compulsory course repetition for probation students: The new course registration of probation students are limited after the first two semesters in order to allow them to increase their grade point averages due to F, FX, DD and DC. The students who can not achieve the satisfactory status due to lack of credits, repeat the courses in which they have received F, FX, DD and DC letter grades. However if there are no courses they were graded with F, FX, DD, DC they can register to new courses if their course load allows. The satisfactory status is defined as,

\[ GNO = \begin{cases} 
1.60 & \text{for students with } 50 \text{ credits or less}, \\
1.70 & \text{for students with } 51-100 \text{ credits}, \\
1.80 & \text{for students with } 101 \text{ and more credits} 
\end{cases} \]

Credit means “credits completed”.

**Excessive course load:** The students receive a package program on their first semesters, there is no possibility for excessive course load. Probation students can not exceed the normal course load. 8 credits over the average course load is not allowed.

University Senate Decision 29.08.2012 – No. 2012/5 No (Correction of the error of fact):

The students whose general point average is between 3.00-3.49 are awarded as Honor, those who achieve a general point average of 3.50 and above are awarded as High Honor Students with the precondition of being registered to normal course load each semester.

i. Senate decision dated 01.12.2016 and numbered 2016/14: “The request to extend the deadline to change the grading period for I-incomplete grades, for courses not changed into letter grades within 15 days, to the beginning of the following semester’s registration period at the latest by a relevant board decision”.

It was decided that the grading period for I-incomplete grades, for courses not changed into letter grades within 15 days, could be extended to the beginning of the following semester’s registration period at the latest by a relevant board decision.

i. Senate Decision dated 01.06.2017 and numbered 2017/06: IP (In Progress) grade is given to students who are successfully continuing non-credit courses (except the Master’s Thesis course).