



FACULTY OF EDUCATION
EDU 202_01/EDUC 204 RESEARCH METHODS
FALL, 2018-2019 ❄

Course Information

Schedule & Classroom: EDU 202_01 Wednesday 09:00-11:00 F206

Instructor Information

Instructor: Assist. Prof. Dr. Münevver İLGÜN DİBEK
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Office hours: Tuesday 10.00-12.00, Friday 11:00-13:00 & By Appointment (*please put EDU-202 in the subject of ALL email correspondence*)

Course Description

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

The aim of this course is to provide details regarding how to conduct research in education. In this regard, the course aims to offer information on such issues as the differences between research methodologies and how to deal with data collection -analysis procedures. etc.

Extended Course Descriptions

The nature of research, the process of conducting research, research methodologies, research by practitioners, the research problem, variables and hypotheses, locating and reviewing the literature, sampling, instrumentation, break, ethics and research, validity and reliability, internal validity, descriptive statistics, inferential statistics, statistics in perspective, working on researchable question and proposed research designs.

Learning Outcomes

Upon successful completion of this course, students will be able to:

1. Define basic concepts and principles used in education research.
2. Explain the differences of various research methods.
3. Summarize the steps followed in education research process.
4. Exemplify writing research questions, selection of an appropriate sampling, literature review, data collection and data analysis processes.
5. Exemplify action researches.
6. Indicate differences between qualitative and quantitative research patterns.

This syllabus is subject to change. Changes, if any, will be announced in class. Students will be held responsible for all the changes.

Course Materials

Online course management system: If you do not have one yet, please create an account at <http://moodle.tedu.edu.tr/> The Moodle site for this course is named 2019S_EDU202_SEC01 , 2019S_EDU202_SEC02 & 2019S_EDU202_SEC05

Recommended textbooks:

- Fraenkel, J. R., Wallen, N. E. & Hyun, H. (2011). *How to design and evaluate research in education*. Boston, MA: McGraw-Hill
- Creswell, J. W. (2014). *Research design* (4th ed.). Thousand Oaks, CA: SAGE Publications, Inc.
- Best, J. W., & Kahn, J. V. (2006). *Research in education* (10th ed.). Boston, MA: Pearson Education, Inc.
- Cohen, L., Manion, L., & Morrison, K. (2007). *Research methods in education*. New York, NY: Routledge.
- Matthews, B., & Ross, L. (2010). *Research methods: A practical guide for the social sciences*. Essex, England: Pearson Education Limited.
- Neuman, W. L. (2009). *Understanding research*. Boston, MA: Pearson Education, Inc.
- Neuman, W. L. (2014). *Social research methods: Qualitative and quantitative approaches* (7th ed.). London: Pearson Education Limited.

Recommended online sources:

APA Style: <https://owl.english.purdue.edu/owl/section/2/10/>

TEDU Library: <http://catalog.tedu.edu.tr/client/defaulttr>

Student Workload (Total 92 hours)

Lectures (28 hours), Readings (28 hours), Exams (16 hours), Report on a topic (20 hours)

Learning Activities

Explaining, Discussion, Questioning, Reading, Demonstrating, Problem Solving, Collaborating, Web searching, Peer Teaching, Hands-on Activities, Inquiry, Brainstorming

Course Requirements

Within the scope of the course, the evaluation will be done through assignments, midterm and final exam. The percentages are as follows:

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Course Requirements	Weight
Participation& Attendance	10 %
Assignments	20 %
Midterm	30 %
Final Exam	40 %
TOTAL	100 %

Percentage Scores	Grade Points	Letter Grades
100-90	4.00	AA
89-85	3.50	BA
84-80	3.00	BB
79-75	2.50	CB
74-70	2.00	CC
69-60	1.50	DC
59-50	1.00	DD
49-0	0.00	F
Absent & Unsuccessful	0.00	FX

Participation and Attendance (10 %):

Attendance

You will be expected to attend the whole class sessions during the semester. The more you attend the sessions, obviously the more you will be successful, and also you will not lose 5 points!

Classroom participation

You will be expected to be active during the class sessions. Although this is your direct responsibility, the more participation will be rewarded.

Assignments (20 %): Assignments are given during the semester. Rubrics of the assignments are also given. Assignments are subject to be submitted through Moodle as well as printed copies at the due date.

1. Assignment 1 (4%): This assignment will be about research question and hypothesis. You will write different types of hypothesis and researchable questions. Rubric for this assignment will be given during the course.
2. Assignment 2 (8%): A literature search is a considered and organized search to find key literature on a topic. Students will search about selected topic as a group. Instructions and rubric for this assignment will be given during the course.
3. Assignment 3 (8%): This assignment will be about experimental study and single subject study. You will answer several items which are in different formats. Rubric for this assignment will be given during the course.

Midterm and Final Exam (30 % and 40%): One in-class midterm and one final exam will be given in class in response to questions that come directly from class experiences, and course readings. Midterm and final exam will likely to include multiple choice, short answer and matching questions.

Please note that all of your assignments must be formatted in compliance with the publication style guidelines spelled out in:

American Psychological Association (2010). *Publication manual of the American Psychological Association (6th Edition)*. Washington, DC: Author.

COURSE POLICIES

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I. Plagiarism

a. Plagiarism is a form of dishonesty that occurs when a person passes off someone else's work as his or her own. This can range from failing to cite an author for ideas incorporated into a student's paper to cutting and pasting paragraphs from different websites to handing in a paper downloaded from the internet. All are plagiarism.

b. *All parties to plagiarism are considered equally guilty.* If you share your coursework with another student and she plagiarizes it, you are considered as guilty as the one who has plagiarized your work, since you enabled the plagiarism to take place. *Under no circumstances should a student make his or her coursework available to another student unless the instructor gives explicit permission for this to happen.* Copying someone's work is an extreme and straightforward act of plagiarism. More commonly, however, students plagiarize without realizing they are doing so. This generally happens when a student fails to acknowledge the source of an idea or phrasing. *Avoid plagiarism by citing sources properly!*

II. Cheating

You may neither receive help from nor give help to others during an in-class exam. During exams, you may not leave the room, talk, or use dictionaries, translators, cell phones or programmable calculators. And please keep your eyes on your own work.

If you are caught cheating in an exam, this is a "disiplin suçu" and I strictly follow YÖK procedures:

http://www.yok.gov.tr/web/quest/icerik/-/jo_content/56_INSTANCE_rEHF8BIsfYRx/10279/17960

III. Attendance

This course requires your regular participation, attendance, and punctuality. It is expected that you attend the class on a regular basis and be on time. It is your responsibility to keep in touch with me about the emergencies prior to class. *Exceeding 20% of attendance (3 weeks / 6 hours) will result a half letter grade reduction: an AA becomes BA or a CC becomes a DC.* The TEDU policy concerning attendance will be followed strictly.

IV. Late Work

You are supposed to turn in each assignment on time. I will only accept late assignments in unusual circumstances (e.g. documented illness). In all other cases, I will reduce %10 of the total point per day for late work, and the assignment will not be accepted after three days late.

V. Late Assignment Submission Policy

Each assignment is to be turned in on time. Arrangements for accepting late assignments will be made only in unusual circumstances (e.g., major illness, death of loved one), and only if you are able to provide documentation to support your excuse. *In all other cases, there will be a 10% point-reduction per day for late work, and work will not be accepted if it is three or more days late.*

VI. Extra Credit

There is no rewriting or extra credit offered in this course.

VII. Class Participation

Class participation is an integral part of this course. Classes may involve interactive lectures, small group discussions and activities, concept mapping, case studies, audiovisuals, video presentations, class presentations, field trips, observations, handouts, written assignments, exams, library/web research projects and journals.

VIII. Class Readings

Please read the assigned readings prior to class so that you may participate fully in the discussion. All readings may not necessarily be discussed directly in class, but it is assumed that you will have read the materials so that it may serve as a jumping off point for discussion.

IX. Announcements

This syllabus is subject to change. Changes, if any, will be announced in class. Students will be held responsible for all the changes.

All announcements will be made on the Moodle site for this course or using e-mail. It is your responsibility to keep your e-mail address operative all times. Check your e-mails regularly in order to stay informed.

Tentative Course Schedule

Date	Topic/Assessment
Week 1	First Meeting, Introductions, The Nature of Educational Research Ch 1 (Creswell, 2012)
Week 2	Ch 2 : The Research Problem (Fraenkel, Wallen & Hyun, 2012) Ch 5 : Variables and Hypothesis (Fraenkel, Wallen & Hyun, 2012) Ch 2, Ch 4 (Creswell, 2012)
Week 3	Ch 4: Ethics and Research (Fraenkel, Wallen & Hyun, 2012) Ch 3: Locating and Reviewing the Literature (Fraenkel, Wallen & Hyun, 2012) Ch 3, Ch 9 (Creswell, 2012)
Week 4	Ch 6: Sampling (Fraenkel, Wallen & Hyun, 2012) Ch 7: Instrumentation (Fraenkel, Wallen & Hyun, 2012)
Week 5	Ch 7: Instrumentation (Fraenkel, Wallen & Hyun, 2012)
Week 6	Ch 8: Validity and Reliability (Fraenkel, Wallen & Hyun, 2012)
Week 7	Ch 8: Validity and Reliability (Fraenkel, Wallen & Hyun, 2012)
Week 8	MID-TERM EXAM
Week 9	Ch 13: Experimental Research (Fraenkel, Wallen & Hyun, 2012)
Week 10	Ch 13: Experimental Research (Fraenkel, Wallen & Hyun, 2012)
Week 11	Ch 14: Single-Subject Design (Fraenkel, Wallen & Hyun, 2012) Ch 10 (Creswell, 2012)
Week 12	Ch 24: Action Research (Fraenkel, Wallen & Hyun, 2012) Ch 12 (Creswell, 2012)

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Week 13	Ch 17: Survey Research (Fraenkel, Wallen & Hyun, 2012)
Week 14	Ch 17: Survey Research (Fraenkel, Wallen & Hyun, 2012)

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