

**Psych 201: Research Methods and Statistics in Psychology I**  
**TOBB University of Economics and Technology**  
**Summer 2014**

Class times: Mon 14:30-16:20, F 15:30-17:20  
Location: Tue @ 177, F @ 208=> Mon @209  
Lab times: Th 10:30-11:20 @ 208  
Instructor: Asst. Prof. İrem Uz  
Office hours: Mon 11:00-13:00 or by appointment  
Email: psych201tobb@gmail.com (for questions about exams, HW, and class material)  
iuz@etu.edu.tr (for all other questions)  
Teaching assistant: Pinar Yazar nyazar@etu.edu.tr

**Required text:**

Christensen, L. B., Johnson, R. B., & Turner, L. A. (2014). *Research methods, design, and analysis* (11<sup>th</sup> edition). UK: Pearson.

**Recommended text:**

American Psychological Association. (2009). *Publication manual of the American Psychological Association* (6<sup>th</sup> Edition).

**Course description:**

Psychology is the scientific study of thoughts, feelings, and behavior. The purpose of this course is to introduce you to the research methods used in psychology. The course will cover a variety of topics including hypothesis generation, measurement and scaling, reliability and validity, survey research methods, experimental methods, quasi-experimental methods, single-case research design, qualitative research as well as how to write a research report in APA format. Class time includes lectures, in-class exercises, case studies and discussions. A hands-on approach to research methods is adopted: You are expected to spend considerable amount of time outside of the class both in the lab and at the field. The goal is to help you become educated consumers and producers of research. Research methods and statistics is one type of knowledge that you can transfer across academic disciplines as well as jobs!

**Course requirements:**

**Exam.** There will be one exam, worth 30% of your final grade. The exam will be closed book and may include short-essay questions. The exam is based on the readings, and the material presented in class, including lectures, discussions, handouts, demonstrations, and audio-visual materials. Unless you have a documented emergency, no make-ups will be given.

**Research reports.** There will be two research reports, each consisting of two parts.

Research Report I:

- a) You will be assigned a research topic and make a literature review consisting of at least 3 articles. You are asked to fill out the literature review forms (to be distributed in lab) for each article. Based on these forms, you will write a literature review, and provide references in APA format (2-3 double spaced pages, 12 pt. Times New Roman, margins 2.5 cm.). You are expected to turn in the original articles along with your report and literature review forms (due May 30<sup>th</sup>; format: hard-copy, plus email soft-copy to [psych201tobb@gmail.com](mailto:psych201tobb@gmail.com)) -10%.
- b) You will be asked to collect data and learn how to use a codebook in the lab to enter the data you have collected. You are to submit the filled questionnaires and data file (due June 6<sup>th</sup>; format: hard-copy, plus email soft-copy to [psych201tobb@gmail.com](mailto:psych201tobb@gmail.com)) -10 %.

### Research Report II:

- a) You will choose a research topic in groups of 3, develop hypotheses and design a questionnaire. There will be plenty of time devoted both in-class and in the lab to help you make progress with this project (hypotheses and questionnaires due June 13<sup>th</sup>; format: email soft-copy to [psych201tobb@gmail.com](mailto:psych201tobb@gmail.com)) -10%.
- b) The final report will consist of your research question, hypotheses, methods, results in the form of simple tables, discussion, and references in APA format (5 double spaced pages plus tables, 12 pt. Times New Roman, margins 2.5 cm.). You are also expected to submit your data file and the filled questionnaires (due July 23<sup>rd</sup>; format: hard-copy, plus email soft-copy to [psych201tobb@gmail.com](mailto:psych201tobb@gmail.com)) -30 %.

**Quizzes.** There will be pop quizzes which will account for 10% of your final grade. There cannot be any make-up for pop quizzes.

**Reading assignments.** You are expected to read the material assigned before coming to class.

**Attendance.** Although attendance will not “affect” your grade in terms of points, coming to class has an indirect and strong effect on how well most students do in the course.

### Grading:

You must complete all course requirements in order to pass this course. The course as a whole will be graded according to the [Lisans Eğitim Öğretim ve Sınav Yönetmeliği](#) of TOBB ETÜ.

### Course policies:

1. Academic dishonesty (e.g., cheating on exams, plagiarism) is a serious offense. All work that you submit in this class must be your own. Each student is responsible for being familiar with my policy on academic dishonesty, available at <http://iuz.etu.edu.tr/courses/PolicyonAcademicDishonesty.pdf>. Any student engaging in academic dishonesty will receive automatically a course grade of FF.
2. If you need to leave early, you should let me know in advance.
3. Please keep your cell phones turned-off during class.
4. If you have a disability that requires special accommodations, please let me know early in the semester.
5. Please seek assistance when you are having difficulty understanding the course material. I am here to help you understand the material, and I encourage you to contact me when you have concerns about the course.

**Tentative course schedule:**

<b>Date</b>	<b>Topic</b>	<b>Reading assignment</b>	<b>Task</b>	<b>Lab</b>
Week 1	Scientific research	Chapter 1		
Week 2	Types of research	Chapter 2	Lit review	@208
Week 3	Hypothesis formulation	Chapter 3	Fill in the lit review forms	208
	Measurement and scaling	Chapter 12, add. readings		
Week 4	Questionnaire design	add. readings	<b><i>RP I-A due May 30<sup>th</sup></i></b>	208
	Procedure for conducting studies	Chapter 9	Collecting data for RP I-B	
Week 5	Coding	add. readings	Data coding for RP I-B	208
	Discussion of the research process for the first report		<b><i>RP I-B due June 6<sup>th</sup></i></b>	
Week 6	Sampling	Chapter 5		
	Reliability and validity	Chapter 6	<b><i>RP II-A due June 13<sup>th</sup></i></b>	
Week 7	Experimental control	Chapter 7		
	Experimental design	Chapter 8		
Week 8	Experimental design continues	Chapter 8, add.readings	Collecting data for RP II-B	
	Quasi-experimental designs	Chapter 10	Preparing codebook for RP II-B	208
Week 9	Single-case research designs	Chapter 11, add. readings	Coding for RP II-B	
	Qualitative research	Chapter 13, add. readings		
Week 10	How to report your results	Chapter 16	Writing report RP II-B	208
	Review			
Week 11	<b><i>EXAM</i></b>		<b><i>July 15<sup>th</sup></i></b>	
Week 12	Going over the final report for RP II-B		<b><i>RP II-B due July 23<sup>rd</sup></i></b>	