

SYLLABUS

Faculty of ...

| Course Code | Course Title | | Credits | ECTS Value |
|---------------------------------------|---|--|---|-------------------------|
| PSY 205 | Research Methods-I | | (3-0-3) | 5 |
| Prerequisite Courses: | - | | | |
| Course Language: | English | Course Delivery Mode: | Face-to-face | |
| Course Type and Level: | | | | |
| Instructor's Title, Name, and Surname | | Course Hours | Office Hours | Contact |
| | | | | senadogruyol@cag.edu.tr |
| Course Coordinator: | Asst. Prof. Dr. Sena DOĞRUYOL | | | |
| Course Objectives | | | | |
| Course Learning Outcomes | Upon successful completion of this course, the student will be able to; | | Relations | |
| | | | Program Outcomes | Net Contribution |
| | 1 | Evaluates the scientific foundations of research conducted in psychology. | 1, 2, 6 | 5,4,5 |
| | 2 | Discusses how scientific research is structured in accordance with the principles of objectivity, verifiability, and reproducibility. | 2, 6, 8 | 4,4,3 |
| | 3 | Defines the stages of the scientific research process and explains them with examples. | 2, 7, 1 | 4,5,4 |
| | 4 | Correctly defines and distinguishes between basic concepts related to the scientific research process (problem, hypothesis, variable, sample, etc.). | 2, 7, 8 | 5,4,3 |
| | 5 | Identifies a research problem and develops a research question, hypothesis, and proposed method. | 2, 8, 6 | 5,4,4 |
| | 6 | Analyzes research findings presented in scientific sources. | 5, 10, 11 | 5,4,3 |
| Course Content: | This course covers the fundamental concepts and methods related to the scientific research process. The course aims to provide students with knowledge and skills in defining research problems, formulating hypotheses, selecting data collection techniques, and developing research designs in accordance with ethical principles. | | | |
| Course Schedule (Weekly Plan) | | | | |
| Week | Topic | Preparation | Teaching Methods and Techniques | |
| 1 | Getting to know the students, informing them about the course content, and introducing resources | | Lecture, Question-Answer, Group Interaction | |
| 2 | Ethical issues in scientific methods and psychological research | Reading the basic concepts of the scientific method and learning about ethical principles (e.g., APA ethical rules). | Discussion, Case Analysis, Lecture | |
| 3 | Classification of research | Examining descriptive, correlational, and | Presentation, Group Work, Lecture | |

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| | | experimental research types and classifying real-life sample studies according to these types. | |
| 4 | Data collection process: Sampling methods | Comparing sampling types, formulating a research question within the group, and discussing which sampling method to use. | Problem Solving, Lecture, Discussion |
| 5 | Observation and survey research-I | Discussion on observational data collection methods, distinguishing between structured and unstructured observation methods. Examining and discussing the advantages and limitations of the observation method and in-class application. | Practical Observation, Discussion, Video Viewing |
| 6 | Observation and survey research-II | Discussion on observational data collection methods, distinguishing between structured and unstructured observation methods. Video review of important studies on types of observation. | Practical Observation, Discussion, Video Viewing |
| 7 | Correlational/relational research | Understanding basic information on what correlation is and how it is interpreted, and distinguishing between positive and negative correlation examples. Case analysis explaining the principle that “correlation does not imply causation.” | Presentation, Problem Solving, Case Analysis |
| 8 | Midterm Exam | | |
| 9 | Midterm Exam | | |
| 10 | Causal research | What causal relationships are and how they are established. Examining the difference between causal research and correlational research. Formulating a causal hypothesis and understanding how this hypothesis can be tested. | Lecture, Case Analysis, Question-Answer |

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| 11 | Experimental research methods-I | | Group Work, Lecture, Problem Solving |
| 12 | Experimental research methods-II | Examination of types of experimental research and examples of real-life research studies according to these types. | Discussion, Group Work, Presentation |
| 13 | Single-subject research designs and quasi-experimental designs | Examination of types of experimental research and examples of real-life research studies according to these types. | Discussion, Comparative Analysis, Presentation |
| 14 | Analysis and reporting of research | Definition of single-subject research designs and quasi-experimental designs and case presentation. | Lecture, Question-Answer, Group Interaction |
| 15 | Analysis of data and interpretation of analysis | | Lecture, Question-Answer |
| 16 | Term review | | Lecture, Question-Answer |
| 17 | Final Exam | | |
| 18 | Final Exam | | |

Course Resources

Textbook: Shaughnessy, J. J., Zechmeister, E. B., & Zechmeister, J. S. (2000). Research methods in psychology. McGraw-Hill.

Recommended References:

Course Assessment and Evaluation

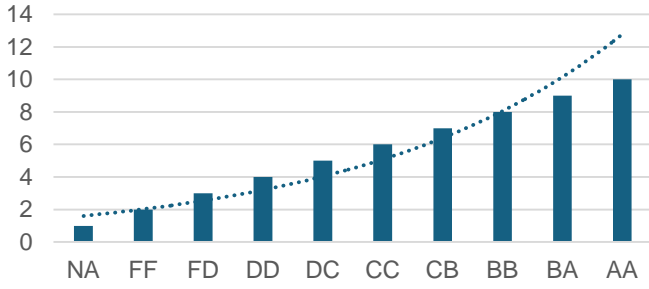
| Activities | Number | Percentile | Notes |
|--------------|--------|------------|-------|
| Midterm Exam | 1 | %45 | |
| Final | 1 | %55 | |

ECTS Table

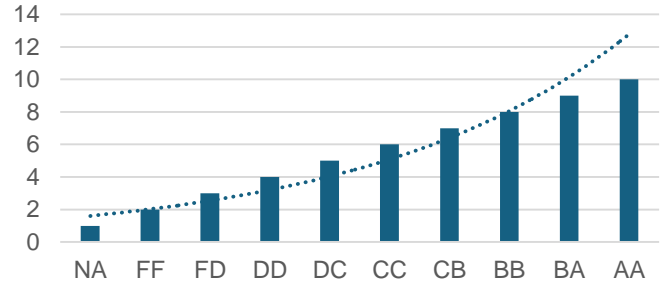
| Content | Number | Hours | Total |
|---|--------|-------|---------------------|
| Course Duration | 14 | 3 | 42 |
| Out-of-Class Study | 14 | 3 | 42 |
| Assignment | 1 | 15 | 15 |
| Presentation | 1 | 10 | 10 |
| Project | 1 | 14 | 14 |
| Midterm Exam (Midterm Exam Duration + Midterm Exam Preparation) | 1 | 10 | 10 |
| Final Exam (Final Exam Duration + Final Exam Preparation) | 1 | 14 | 14 |
| Total: | | | 147 |
| Total / 30: | | | 147/30≈4,9≈5 |
| ECTS Credit: | | | 5 |

Past Term Achievements

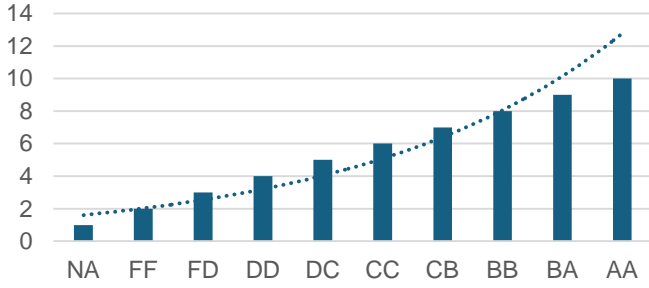
2024-2025 Fall Semester
Course Code and Name



2024-2025 Spring Semester
Course Code and Name



2025-2026 Fall Semester
Course Code and Name



2025-2026 Spring Semester
Course Code and Name

