**GAU, Faculty of Humanities**

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| **Course Unit Title** | | | Experimental Psychology | | |
| **Course Unit Code** | | | PSY 284 | | |
| **Type of Course Unit** | | | Compulsory, all psychology students | | |
| **Level of Course Unit** | | | Second year, Bachelors Degree | | |
| **National Credits** | | | 3 | | |
| **Number of ECTS Credits Allocated** | | | 6 ECTS | | |
| **Theoretical (hour/week)** | | | 2 | | |
| **Practice (hour/week)** | | | 1 | | |
| **Laboratory (hour/week)** | | | - | | |
| **Year of Study** | | | 2 | | |
| **Semester when the course unit is delivered** | | | 4 | | |
| **Mode of Delivery** | | | Face to Face, E-Learning activities | | |
| **Language of Instruction** | | | English | | |
| **Prerequisities and co-requisities** | | | Psy 101, psy 102, psy 103, psy211 | | |
| **Recommended Optional Programme Components** | | | None | | |
| **Objectives of the Course:** | | | | | |
| * Being able to define the basic experimental psychology concepts. * The objective of this course is to provide you with an introduction to the scientific research process. * The research designs and methods commonly used in psychological research. | | | | | |
| **Learning Outcomes** | | | |  | |
| When this course has been completed the student should be able to | | | | Assesment. | |
| 1 | Identify the and explain the principles of empiricism, including how these are applied to implementation of research. | | | 1,2,4 | |
| 2 | Describe the principles and procedures of data acquisition and the application of methods of experimental control. | | | 1,2 | |
| 3 | Identify and describe the fundamental components of published research papers. | | | 1,4 | |
| 4 | . Describe the distinct differences and distinguish between the goals of  basic vs. applied scientific research. | | | 1,3 | |
| 5 | . .Describe the fundamental differences between the methods of carrying out an experiment vs. systematic observation and their effect on questions of causation. | | | 1,2 | |
| 6 | Describe the fundamental differences between the methods of carrying out an experiment vs. systematic observation and their effect on questions of causation | | | 1,4 | |
| Assesment Methods: 1. Written Exam, 2. Assignment 3. Project/Report, 4.Presentation, 5 Lab. Work | | | | | |
| **Course’s Contribution to Program** | | | | | |
|  | |  | | | CL |
| 1 | | Ability to identify the current and historical core content of and what is known in psychology. | | | 5 |
| 2 | | Differentiate the various areas of Psychology and identify what is known in each. | | | 4 |
| 3 | | Ability to show familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology. | | | 3 |
| 4 | | Ability to apply psychological content and skills to career goals. | | | 4 |
| 5 | | Ability to identify, and evaluate construct and critically analyze complex arguments. | | | 4 |
| 6 | | Ability to apply basic research methods in psychology, with sensitivity to ethical principles. | | | 3 |
| 7 | | Ability to identify the writing format of the American Psychological Association (APA). | | | 3 |
| 8 | | Ability to understand the role of academic, professional, and personal integrity in maintaining a healthy community. | | | 3 |
| 9 | | Ability to recognize and describe the ways in which diversity influences psychological processes. | | | 5 |
| 10 | | Ability to distinguish important behavioral factors associated with personal and cultural diversity that enable intervention process in therapy. | | | 4 |
| 11 | | Ability to demonstrate effective communication skills following professional conventions in psychology appropriate to purpose and context. | | | 4 |
| CL: Contribution Level (1: Very Low, 2: Low, 3: Moderate 4: High, 5:Very High) | | | | | |

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| **Course Contents** | | | | | | | | |
| Week |  |  | | | | | | Exam**s** |
| 1 |  | Introduction | | | | | |  |
| 2 |  | Aims, Hypotheses, Variables | | | | | |  |
| 3 |  | Ethics in Research | | | | | |  |
| 4 |  | Qualitative and Quantitative Research and Data Collection | | | | | |  |
| 5 |  | Basic Laboratory Experiments | | | | | |  |
| 6 |  | Advanced Experimental Design | | | | | |  |
| 7 |  | Non-manipulation Studies | | | | | | Quiz |
| 8 |  |  | | | | | | Mid Term |
| 9 |  | Longitudinal Studies | | | | | |  |
| 10 |  | Sampling | | | | | |  |
| 11 |  | Measurement Concepts- Reliability and Validity | | | | | |  |
| 12 |  | Complex Experimental Designs | | | | | |  |
| 13 |  | Qualitative Research | | | | | |  |
| 14 |  | Understanding Research Results (Method/Results/Discussion) | | | | | |  |
| 15 |  |  | | | | | | Final |
| **Recommended Sources** | | | | | | | | |  | Revision session |
| **Textbook:** Howitt, D. and Cramer, D. (2005). *Introduction to Research Methods in Psychology*. Pearson Edu. Ltd.  Lecture notes will be posted on e-learning.gau.edu.tr  **Supplementary Material (s):** | | | | | | | | |
| **Assessment** | | | | | | | | |
| Attendance | | | 10% |  | | | | |
| Laboratory | | | % |  | | | | |
| Midterm Exam (Written) | | | 30% |  | | | | |
| Quiz (Written) | | | 10% |  | | | | |
| Final Exam (Written) | | | 50% |  | | | | |
| Total | | | 100% |  | | | | |
| **ECTS Allocated Based on the Student Workload** | | | | | | | | |
| Activities | | | | | Number | Duration (hour) | Total Workload(hour) | |
| Course duration in class (including the Exam week) | | | | | 15 | 3 | 45 | |
| Labs and Tutorials | | | | |  |  |  | |
| Assignments | | | | | 8 | 3 | 24 | |
| Project/Presentation/Report Writing | | | | |  |  |  | |
| E-learning Activities | | | | |  |  |  | |
| Quizzes | | | | | 2 | 10 | 20 | |
| Midterm Examination | | | | | 1 | 14 | 14 | |
| Final Examination | | | | | 1 | 28 | 28 | |
| Self Study | | | | | 14 | 3 | 42 | |
| Total Workload | | | | | | | 173 | |
| Total Workload/30 (h) | | | | | | | 5.76 | |
| ECTS Credit of the Course | | | | | | | 6 | |