**GAU, Faculty of Humanities**

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| **Course Unit Title** | | SPECIAL TOPICS IN EXPERIMENTAL PSYCHOLOGY | | |
| **Course Unit Code** | | PSY 477 | | |
| **Type of Course Unit** | | Elective | | |
| **Level of Course Unit** | | Fourth year, Bachelor’s 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** | | 3 | | |
| **Semester when the course unit is delivered** | | 7 | | |
| **Mode of Delivery** | | Face to Face, E-Learning activities | | |
| **Language of Instruction** | | English | | |
| **Prerequisites and co-requisites** | | To have completed 3rd year courses | | |
| **Recommended Optional Programme Components** | | None | | |
| **Objectives of the Course:** | | | | |
| To find answers! *‘A problem arises when a living organism has a goal, but does not know how this goal is to be reached.* A presentation of the scientific method as applied experimentally to the problems of psychology.  The course focuses on the logic, principles and practices of modern science and how it is applied to understanding the nature of reality.  Successful completion of  this course will prepare the student for graduate work and advanced experimental concepts and also enable at a minimum to become an informed consumer of science. | | | | |
| **Learning Outcomes** | | |  | |
| When this course has been completed the student should be able | | | Assessment. | |
| 1 | Identify the and explain the principles of empiricism, including how these are applied to implementation of research. | | 1,2 | |
| 2 | Describe the principles and procedures of data acquisition and the application of methods of experimental control. | | 1,2,3 | |
| 3 | Identify and describe the fundamental components of published research papers. | | 1,3 | |
| 4 | . d Describe the distinct differences and distinguish between the goals of  basic vs. applied scientific research. | | 1,2 | |
| 5 | Describe the fundamental differences between the methods of carrying out an experiment vs. systematic observation and their effect on questions of causation.  O | | 1,2,3 | |
| Assessment 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. | | | 3 |
| 2 | Differentiate the various areas of Psychology and identify what is known in each. | | | 2 |
| 3 | Ability to show familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology. | | | 5 |
| 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). | | | 4 |
| 8 | Ability to understand the role of academic, professional, and personal integrity in maintaining a healthy community. | | | 4 |
| 9 | Ability to recognize and describe the ways in which diversity influences psychological processes. | | | 4 |
| 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. | | | 2 |
| 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 |  | Problem Solving, Reasoning and Intelligence | | | | | |  |
| 3 |  | Solving Puzzles and Problems | | | | | |  |
| 4 |  | Solving Ill-defined Problems | | | | | |  |
| 5 |  | Deductive Reasoning | | | | | |  |
| 6 |  | Psychometric Research | | | | | |  |
| 7 |  | Revision | | | | | | Quiz |
| 8 |  |  | | | | | | Mid Term |
| 9 |  | Intelligence | | | | | |  |
| 10 |  | Nature – Nurture Debate | | | | | |  |
| 11 |  | Cognitive Psychology and Intelligence I | | | | | |  |
| 12 |  | Cognitive Psychology and Intelligence II | | | | | |  |
| 13 |  | Intelligence, Biology and Personality | | | | | |  |
| 14 |  | Revision | | | | | | Quiz |
| 15 |  |  | | | | | | Final |
| **Recommended Sources** Lecture notes will be provided via e-learningt.gau.edu.tr | | | | | | | | |
| **Textbook:** Additional lecture notes will be provided | | | | | | | | |
| **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 | | | | | 3 | 8 | 24 | |
| Project/Presentation/Report Writing | | | | | 10 | 1 | 10 | |
| E-learning Activities | | | | |  |  |  | |
| Quizzes | | | | | 1 | 10 | 10 | |
| 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 | |