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| --- | --- | --- |
| **Course Name:** Learning Psychology | **Course Level:** Undergraduate | **Language:** English |
| **Course Code** | [**Prerequisites**](https://e-campus.isikun.edu.tr/CoursePrerequisites/Index) | **Corequisites** | **(T + P hours)** | **ECTS Credit** | **Type** |
|  PSYC2502(PSY 211) | - | - | 3+0 | 5 | Compulsory |

**Course objectives:** Defining the theories and processes related to learning and discussing the applications related to learning.

**Course description:** Introduction to the basic principles of learning processes such as classical conditioning and instrumental conditioning. Description of the theories in the field of learning. Consideration of the application of the conditioning processes within various settings regarding animals and humans. Discussion of various learning theories with emphasis given to experimental studies. Relation the conventional theories to machine learning. Finding and analyzing real-world examples of the principles of learning.

**Evaluation system (in percentages):**

|  |  |  |  |
| --- | --- | --- | --- |
| **Midterm** | **Quiz(1-2)** | **Final** | **Total** |
| %30 | %10-%10 | %50 | 100 |

**Reference**

Domjan, M. P. (2014). *The principles of learning and behavior*. Cengage Learning.

**Weekly Course Topics**

|  |  |
| --- | --- |
| **Week** | **Topic** |
| 1. |  Introduction |
| 2. |  Defining the theories and processes related to learning and discussing the applications related to learning |
| 3. |  Emerging Behaviors, Habituation and Sensitization |
| 4. |  Classical Conditioning: The Basics |
| 5. |  Classical Conditioning: Mechanisms |
| 6. |  Operant Conditioning: The Basics |
| 7. |  Midterm |
| 8. |  Reinforcement Schedules and Theories |
| 9. |  Operant Conditioning: Motivational Mechanisms |
| 10. |  Extinction - Stimulus Control |
| 11. |  Avoidance and Punishment |
| 12. |  Selection, Matching and Self Control |
| 13. |  Observational Learning, Language and Rule Based Learning |
| 14. |  An overview |

**Contribution of the Course to the Program Outcomes**

**Course Outcomes**

 Students will gain the following knowledge and skills at the end of the course:

1.Describe the theories in the field of learning.

2.Explain how human and animal behavior can be controlled.

3.Get familiar with the research methods used in studies about learning

4.Find and analyze real-world examples of the principles of learning.

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|   |  **Program Outcomes** | **CO1** | **CO2** | **CO3** | **CO4** |
| 1. | To examine and compare different concepts in subfields of psychology and to have basic application skills. | X | X | X |  |
| 2. | To apply analytical and critical thinking skills in various fields of psychology, to be able to solve the problems related to the field with contemporary methods. |  | X |  | X |
| 3. | The student has the skills to interpret facts, events and data, to define and analyze problems, to develop solutions based on research and evidence by using the knowledge and skills they have acquired in the field. |  | X |  | X |
| 4. | Discussing and criticizing professional and ethical issues in program design and professional practice. |  |  |  |  |
| 5. | To explain the procedures and rules in psychological measurement and interview techniques, and to develop the ability to apply them at a basic level. |  |  |  |  |
| 6. | Adopting the rules of the positivist method and designing scientific research, collecting data, analyzing data and scientifically reporting the results. |  |  |  |  |
| 7. | To gain the basic principles of scientific thinking, to be able to separate and / or integrate the knowledge gained by other disciplines with a critical point of view. |  |  |  |  |
| 8. | To develop the competence for using the necessary information and communication technologies used to reach and spread information. |  |  |  |  |
| 9. | To use oral and written communication skills effectively both in Turkish and at least one foreign language. |  |  |  |  |
| 10. | Working effectively in individual and multidisciplinary research teams. |  |  |  |  |
| 11. | To develop respect for interpersonal and cultural diversity and to have social responsibility. |  |  |  |  |
| 12. | To be aware of psychological resilience, personal and professional development. |  |  |  |  |

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|  Course Evaluation and ECTS Workload |
| Types of Work | Number |  |
|  |  |
|  | ECTS Workload |  |  |
|  |  | Time |  |
| Attendance | 14 | 3 | 42 |
| Final exam | 0 | 0 | 0 |
| Quizzes | 0 | 0 | 0 |
| Semester project | 0 | 0 | 0 |
| Assignments | 0 | 0 | 0 |
| Final project | 0 | 0 | 0 |
| Seminar | 0 | 0 | 0 |
| Duties | 0 | 0 | 0 |
| Presentation | 0 | 0 | 0 |
| Midterm | 2 | 20 | 40 |
| Project | 0 | 0 | 0 |
| Lab | 14 | 0 | 0 |
| Private lesson time | 0 | 0 | 0 |
| Other (Personal study) | 14 | 3 | 42 |
|  |  | Total workload | 124 |
|  |  | Total workload/25 | 4.96 |
|  |  | ECTS Credit | 5 |

**Teaching Methods and Techniques**: Lecture, Discussion, Homework

**Prepared By:**  **Date:**