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|--|----------------------|------------------------------------|----------------------|--------------------------|-------------|
| Course Name: : Neuropsychology | | Course Level: Undergraduate | | Language: English | |
| Course Code | Prerequisites | Corequisites | (T + P hours) | ECTS Credit | Type |
| PSYC4504 | - | - | 3+0 | 5 | Selective |

Course objectives: Probing the foundations of neuropsychology, examination of the links between the neural system and the cognitive processes such as sensation, perception and memory.

Course description:. Cover the basic research methods and various studies in neuropsychology. Introduce neuropsychological measurement and testing methods. Relating the neuropsychological issues to dementia, cognitive disorders, brain damage. Discussions on the links between the brain and mind, connectionism and mass action.

Evaluation system (in percentages):

| Quiz | Midterm | Final | Total |
|------|---------|-------|-------|
| %20 | %30 | %50 | 100 |

References

Carlson, N. R. (2005). Foundations of physiological psychology. Pearson Education New Zealand.Publishers.

Weekly Course Topics

| Week | Topic |
|------|--|
| 1. | Course introduction |
| 2. | Introduction to the nervous system |
| 3. | Functional neuroanatomy and behavior |
| 4. | Cortical organization and cortical functions |
| 5. | Memory and amnesia |
| 6. | Language functions and aphasia |

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|-----|---|
| 7. | An overview |
| 8. | Midterm |
| 9. | Attention and executive functions |
| 10. | Visual spatial functions |
| 11. | Emotion and the social brain |
| 12. | Aging and dementia |
| 13. | Traumatic brain injury, neuro-rehabilitation |
| 14. | Neuropsychological profile in psychiatric disorders |

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. Identify the basic structures in the brain.
2. Describe the working principles of the brain.
3. Identify the brain regions responsible for cognitive functions and disorders.
4. Identify the functions of the brain.

| | 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 | 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 | |
| 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. | | | | |
| 4. | Discussing and criticizing professional and ethical issues in program design and professional practice. | | | | |

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| 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. | | | | |

| Course Evaluation and ECTS Workload | | | |
|-------------------------------------|--------|-------------------|-----------|
| Types of Work | Number | ECTS Work Load | |
| | | Time | Work Load |
| Attendance | 14 | 3 | 42 |
| Final exam | 1 | 20 | 20 |
| Quizzes | 5 | 2 | 10 |
| 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 | 10 | 20 |
| Project | 0 | 0 | 0 |
| Lab | 0 | 0 | 0 |
| Private lesson time | 0 | 0 | 0 |
| Other (Personal study) | 14 | 3 | 42 |
| | | Total workload | 134 |
| | | Total workload/25 | 5.36 |
| | | ECTS Credit | 5 |

Teaching Methods and Techniques: Lecture, Discussion, Role-play

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