Detailed Course Syllabus

Academic Year	2025/2026			**Semester**	winter
Study Program	Graduate University Study	**Specialization / Major in**	Psychology	**Year of Study**	2nd

I. BASIC COURSE INFORMATION

Name	Cognitive Neuropsychology		
Abbreviation		**Code**	
Status	Elective	**ECTS**	4
Prerequisites	Biological Psychology passed		

Total Course Workload

Teaching Mode	**Total Hours**	**Teaching Mode**	**Total Hours**
Lectures	30	Seminars	30
Class Time and Place	CUC according to published timetable		

II. TEACHING STAFF

Course Holder

Name and Surname	Martina Knežević		
Academic Degree	PhD	**Professional Title**	Associate Professor
Contact E-mail	martina.knezevic@unicath.hr	**Telephone**	
Office Hours	According to published timetable		

III. DETAILED COURSE INFORMATION

Teaching Language	English
Course Description	The aim of this course is to develop an understanding of human neuropsychology. First lectures cover anatomy and functions of each of the lobes (occipital, parietal, temporal and frontal), followed by examples of most common lesions and related syndromes, as well as the assessment tools. Next, students will be familiarized with the neural underpinnings of higher cognitive functions, along with theoretical background and tasks which test these functions and their dysfunctions. Finally, students will learn about brain plasticity, with the emphasis on typical brain development and neurodevelopmental disorders.
Expected Educational Outcomes	1. Explain the anatomy and function of each of the brain lobes and neural underpinnings of higher cognitive functions. 2. Interpret neuropsychological disorders that occur following brain injury. 3. Identify symptoms related to most common brain lesions and syndromes. 4. Critically evaluate strengths and limitations of neuropsychological assessment tools. 5. Apply ethical principles and rules of the psychological profession in neuropsychological assessment.

6. Present seminar paper on selected topic.

Textbooks and Materials	
Required	1. Kolb, B. & Whishaw, I. Q. (2021). *Fundamentals of Human Neuropsychology (8th edition).* Worth Publishers. 2. Lezak, M. D. (2012). *Neuropsychological assessment*. Oxford University Press. 3. Sherman, E., Tan, J. & Hrabok, M. (2020). *A Compendium of Neuropsychological Tests*. Oxford University Press.
Supplementary	1. Anderson, V., Northam, E. & Wrennall, J. (2018). *Developmental Neuropsychology (2nd edition)*. Routledge. 2. Blumenfeld, H. (2021). *Neuroanatomy through Clinical Cases (3rd edition).* Sinnauer Associates. 3. Sacks, O. (1987). *The Man Who Mistook His Wife for a Hat*. Summit Books.

Examination and Grading		
To Be Passed	**Exclusively Continuous Assessment**	**Included in Average Grade**
Prerequisites to Obtain Signature and Take Final Exam	Regular class attendance (at least 70%). Fulfilled obligations of seminar presentation and teamwork. Obtaining a minimum of 35% points during classes through assigned course activities – cumulatively achieved through seminars, class discussions and teamwork.	
Examination Manner	Continuous evaluation of student work throughout the course. Final exam (minimum 50%).	
Grading Manner		

Type of assessment	**Points**
During the semester	
Seminar presentation	20%
1st midterm exam	25%
2nd midterm exam	25%
End of semester	
Final exam	30%
Total	**100%**

Points	**Grade**
90-100%	Excellent (5)
80-89.9%	Very good (4)
65-79.9%	Good (3)
50-64.9%	Sufficient (2)
0-49.9%	Insufficient (1)

	ACTIVITY TYPE	ECTS Student Workload Coefficient	GRADE PERCENTAGE (%)
Detailed Overview of Grading within ECTS	Class Attendance	1.5	0%
	Seminar Presentation	1.0	20
	Midterm Exam	0.5	25
	Midterm Exam	0.5	25
	Total in Class		
	Final Exam	0.5	30
	TOTAL ECTS (Classes + Final Exam)	**4**	**100**

Midterm Exam Dates	Midterm Exam 1: 6th week; Midterm Exam 2: 11th week
Final Exam Dates	According to published timetable

IV. WEEKLY CLASS SCHEDULE

Lectures

Week	Topic
1.	Introduction
2.	Origins of Human Brain and Behavior
3.	Basis of Brain Imaging
4.	Principles of Cortical Organization, Neocortical Function and Cerebral Asymmetry
5.	The Occipital and Parietal Lobes
6.	The Temporal and Frontal Lobes
7.	Cortical Functions: Learning and Memory
8.	Language Structure, Function and Dysfunction
9.	The Social Brain and Emotions
10.	Spatial Behavior, Attention and Consciousness
11.	Brain Development and Neurodevelopmental Disorders
12.	Brain Plasticity and Recovery of the Adult Brain
13.	Neurological, Psychiatric and Related Disorders
14.	Neuropsychological Assessment 1
15.	Neuropsychological Assessment 2

Seminars	
Week	**Topic**
1.	Introduction
2.	Seminars and student presentations.
3.	Seminars and student presentations.
4.	Seminars and student presentations.
5.	Seminars and student presentations.
6.	Midterm Exam 1
7.	Seminars and student presentations.
8.	Seminars and student presentations.
9.	Seminars and student presentations.
10.	Seminars and student presentations.
11.	Midterm Exam 2
12.	Seminars and student presentations.
13.	Seminars and student presentations.
14.	Seminars and student presentations.
15.	Seminars and student presentations.