

CLINICAL NEUROPSYCHOLOGY OF SCHIZOPHRENIA AND BIPOLAR DISORDER

1. GENERAL

SCHOOL	SCHOOL OF SOCIAL SCIENCES		
ACADEMIC UNIT	PSYCHOLOGY		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	Ψ-3409	SEMESTER	5 th
COURSE TITLE	CLINICAL NEUROPSYCHOLOGY OF SCHIZOPHRENIA AND BIPOLAR DISORDER		
COURSE INSTRUCTOR	Stella Giakoumaki Associate Professor of Clinical Neuropsychology		
INDEPENDENT TEACHING ACTIVITIES	WEEKLY TEACHING HOURS	CREDITS	
Lectures, presentations of case studies, presentations of research papers by the students	3	6	
COURSE TYPE	Skills development (Seminar)		
PREREQUISITE COURSES:	Methodology of scientific research in social sciences I		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	YES (Erasmus students have to write a critical review paper on a topic of their choice in English)		
COURSE WEBSITE (URL)	https://elearn.uoc.gr/course/view.php?id=78 (Password required)		

2. LEARNING OUTCOMES

Learning outcomes
<p>The aim of the course is the review and in depth analysis of the symptomatology, diagnostic criteria, neurobiological substrate and neuropsychological deficits as well as of the effectiveness of rehabilitation methods in schizophrenia and bipolar disorder; also, the review and in depth analysis of the effects of cognitive impairment in the daily life of schizophrenia and bipolar disorder patients.</p> <p>Upon successful completion of the course, students are expected to</p> <ul style="list-style-type: none"> • Understand the pathophysiology and neuropsychological deficits characterizing schizophrenia and bipolar disorder • Be able to estimate the expected outcomes of rehabilitation methods • Be able to suggest future studies in the field
General Competences
<ul style="list-style-type: none"> • Search for, analysis and synthesis of data and information, with the use of the necessary technology • Decision-making

- Working independently
- Team work
- Production of new research ideas
- Respect for difference and multiculturalism
- Criticism and self-criticism
- Showing social, professional and ethical responsibility and sensitivity to gender issues
- Production of free, creative and inductive thinking

3. SYLLABUS

I. Schizophrenia:

- Impairments in executive functions, memory, attention (first episode and chronic patients)
- Neuroanatomical correlates of neuropsychological deficits
- Associations of symptoms with neuropsychological deficits
- Comparison of neuropsychological deficits between patients with schizophrenia and schizotypal personality disorder

II. Bipolar disorder:

- Impairments in executive functions, memory, attention
- Neuroanatomical correlates of neuropsychological deficits
- Neuropsychological deficits in remitted bipolar disorder patients compared with patients in acute manic or depressive episodes
- Emotion processing impairments
- Comparison of neuropsychological deficits between patients with bipolar disorder with and without psychotic symptoms
- Comparison of neuropsychological deficits between patients with schizoaffective disorder and patients with bipolar disorder

III. Similarities and differences in neuropsychological disorder between schizophrenia, bipolar disorder and related disorders

IV. The course of neuropsychological deficits in schizophrenia and bipolar disorder over time

V. Rehabilitation methods of neuropsychological deficits and their effectiveness in schizophrenia and bipolar disorder

VI. The effects of neuropsychological deficits on the functional outcome of patients with schizophrenia and bipolar disorder

VII. The role of insight in the neuropsychological deficits of patients with schizophrenia or bipolar disorder

VIII. Deficits of social cognition in schizophrenia and bipolar disorder

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	Face-to-face
USE OF INFORMATION AND	Lectures using ICT

COMMUNICATIONS TECHNOLOGY	Presentations of case studies Communication with students and delivery of all course material via the e-learn platform		
TEACHING METHODS	<i>Activity</i>	<i>Semester workload</i>	<i>ECTS</i>
	Lectures	39	1,56
	Literature review	35	1,4
	Preparation of presentations	30	1,2
	Writing one critical review on selected topic	50	2
	Course total	154	6,16
STUDENT PERFORMANCE EVALUATION	<p>Language of evaluation: Greek for the students of the UoC and English for the Erasmus students.</p> <p>I. Presentation of one published research paper (15%)</p> <p>II. Presentation of the critical review written individually by each student (25%)</p> <p>III. Critical review paper submitted during the exams period (50%)</p> <p>IV. Participation in the discussion of the research papers presented weekly (10%)</p> <p>The evaluation criteria are given during the first lecture of the course and are constantly accessible to students via the website of the course.</p>		

5. ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- Marcopulos, B.A. & Kurtz, M.M. (Eds) (2012). *Clinical Neuropsychological Foundations of Schizophrenia*. Taylor & Francis.
- Swerdlow N.R. (Ed) (2010). *Behavioral neurobiology of schizophrenia and its treatment*. Springer Publications
- Goldberg J.F. & Burdick K.E. (Eds) (2008). *Cognitive dysfunction in bipolar disorder*. American Psychiatric Publishing
- McDonald, C., Schulze, K., Murray, R.M. & Tohen, M. (Eds) (2005). *Bipolar disorder: the upswing in research and treatment*. Taylor & Francis Publications

- Related academic journals:

- Schizophrenia Research
- Bipolar Disorders
- Neuropsychologia
- Psychiatry Research

