

<b>Course Profile – Psychology Department</b>	
Course Number: <b>PSY 410</b>	Course Title: <b>Studies in Cognitive Neuroscience</b>
Required/Elective: Elective	Pre/Co-requisites: PSY 213
Catalog Description: Orientation to designing, applying, interpreting and evaluating an experimental research on topics such as sensation, perception, information processing, memory and retrieval under the supervision of the faculty.	Textbook/Required material:. Gazzanica, M. S. (2009). The Cognitive Neurosciences, 4th Edition The MIT Press.
Course Structure/Schedule: ((2+0+2) 3 / <b>6 ECTS</b>	
Extended Description: Orientation to designing, applying, interpreting and evaluating an experimental research on topics such as sensation, perception, information processing, memory and retrieval under the supervision of the faculty.	
Design content: none	Computer usage: yes
<p>Course Outcomes:</p> <ol style="list-style-type: none"> <li>1. Define the basic concepts of cognitive neuroscience, <b>(1)</b></li> <li>2. Design, implement and evaluate an experimental research on the basic topics of neuro science. <b>(4) (5) (7) (9) (10) (11)</b></li> </ol> <p><b>(1) Examine and compare different concepts in the sub-areas of psychology. (written exam).</b></p> <p><b>(4) apply analytical and critical thinking skills to selected topics in the various fields of psychology (take-home exam or paper).</b></p> <p><b>(5) discuss and criticise ethical issues in psychological research, program development-evaluation and professional implementations (paper or report).</b></p> <p><b>(7). apply the positivistic methodology, skills, scientific techniques and statistical analysis in a simple empirical study (written exam or report on the design, application and analysis of a simple scientific study).</b></p> <p><b>(9) analyse the coded data by using basic computer skills (written reports).</b></p> <p><b>(10). use communication skills in critical evaluation of methodologies, concepts and theories in seminars and presentations (oral or written reports of findings in advanced methodological courses, studies and projects).</b></p> <p><b>(11) function effectively in multi-disciplinary research teams (collaboration with a group of students in a research project supervised by the instructor).</b></p>	
Recommened Reading	
Teaching Methods : Lecture with slides, class discussions, simple experiments	
Assessment Methods: Written exam, take-home exam, quiz,	
<p>Student workload.</p> <p>Preparatory reading.....15 hrs.</p> <p>Lectures.....45 hrs</p> <p>Pre-reading.....25.hrs</p> <p>Research.....25 hrs</p> <p>Literature review for paper.....15 hrs</p> <p>Paper.....25hrs</p> <p><b>TOTAL.....150 hrs to match 25x6 ECTS</b></p>	