

# Experimental Psychology Laboratory

## E-313-SATI



<b>Year</b>	2
<b>Semester</b>	Spring
<b>Type of course</b>	Core
<b>Prerequisites</b>	E-114-RATO and E-315-RATO
<b>Schedule</b>	4 hours per week for 12 weeks; 6 ECTS
<b>Lecturer</b>	Jack Ernest James, Heiðdís B. Valdimarsdóttir, Kamilla Rún Jóhannsdóttir and Þorlákur Karlsson
<b>Content</b>	
<p>This course gives students “hands-on” experience in systematic data collection and treatment, including the use of psychometric measurements; research protocols for systematic data collection; laboratory equipment; computers for the acquisition, storage, and analysis of data; ethics in research; the interpretation of research findings; and report writing skills. Students participate in research exercises, collect and collate data, and report research outcomes.</p>	
<b>Learning outcome - On completing the course, each student should be able to:</b>	
<ul style="list-style-type: none"> <li>• Critically evaluate published experimental studies in psychology.</li> <li>• Formulate research questions in psychology.</li> <li>• Design experiments to objectively investigate research questions.</li> <li>• Operationally define terms and procedures as part of the research process.</li> <li>• Collect and analyse data in accordance with accepted conventions.</li> <li>• Interpret empirical results and draw conclusions while also recognising limitations in research.</li> <li>• Collaborate with supervisors and fellow students in the conduct of research.</li> <li>• Exercise independence of thought and action in research.</li> <li>• In a relatively autonomous fashion, conduct all major aspects of the process of experimentation from inception to final reporting.</li> </ul>	
<b>Course assessment</b>	
<p>Three research reports of each. Grades are given on a 0 – 10 point scale. The minimum grade to pass the course is 5.0. The student needs to get a minimum average grade of 5.0 for all course assessment.</p>	
<b>Reading material</b>	

Maclin, M. K. and Solso, R. L. (2010). *Experimental Psychology: A Case Approach* (8. ed). Boston: Allyn & Bacon.

American Psychological Association. (2010). *Publication Manual of the American Psychological Association* (6. ed). Washington, DC: American Psychological Association

**Teaching and learning activities**

Lectures, experimental lab, group work.

<b>Language of instruction</b>	English and Icelandic
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