Human Learning and Thinking

Brief description of course content (According to the programme's verification report)

- Predictive learning and causal inference
- Learning and skill acquisition
- Discriminative learning and categorization
- Choice and decision-making
- Deductive and inductive reasoning
- Testing hypotheses and problem solving

Learning outcomes

- To understand the functions, characteristics and limitations of the different theoretical models of human learning and thinking.
- To understand the processes, phenomena and research techniques of human learning and thinking.
- To understand and adequately use the basic principles of the Psychology of Human Learning and Thinking.
- To be able to describe the psychological processes involved in human learning and thinking.
- To be able to identify the learning and thinking processes which are performed in everyday activities.
- To be able to apply theoretical principles to improve learning and thinking ability in everyday activities.
- To be able to evaluate the procedures used to obtain relevant psychological data and its relation to theoretical models in the Psychology of Human Learning and Thinking, as well as to evaluate the relevance of the reports resulting from the research.

Planned learning activities
Theory Syllabus

- Topic 1. Introduction.
- Topic 2. Predictive learning and causal inference.
- Topic 3. Discriminative learning and categorization.
- Topic 4. Learning and skill acquisition.
- Topic 5. Choice and decision-making.
- Topic 6. Deductive and inductive reasoning.
- Topic 7. Testing hypotheses and problem solving.

Practical Syllabus

REDUCED GROUP ACTIVITIES: (These will be specified later for each group.)

- Student presentations in class
- Seminars and workshops
- Debates

- Demonstrations of the basic principles in class
- Use of e-learning through PRADO2
- Practical and laboratory activities
- Completing individual or group papers
- Completing different assessment questions in class