

## 31229 - Psychology of Thought, Intelligence and Creativity

### Syllabus Information

**Academic year:** 2024/25

**Subject:** 31229 - Psychology of Thought, Intelligence and Creativity

**Faculty / School:** 301 - Facultad de Ciencias Sociales y Humanas

**Degree:** 613 - Degree in Psychology

**ECTS:** 6.0

**Year:** 4

**Semester:** First semester

**Subject type:** Compulsory

**Module:**

### 1. General information

This subject focuses on the formal knowledge of thinking modalities and their different theoretical and methodological approaches. To facilitate the analysis and understanding of thinking, intelligence and creativity, this knowledge will be addressed in parallel at the theoretical and practical level, studying the types of thinking and creativity in three specific domains. The subject presents alignments with the Sustainable Development Goals (SDGs) of the United Nations Agenda 2030. A critical and open attitude to the exploration and investigation of the use and function of thinking and reasoning will be recommended.

### 2. Learning results

Upon completion of the subject, the student will be more proficient in describing and explaining what thinking is, its types or modalities (e.g., deductive, inductive), and its main theoretical approaches. They should be able to value their contributions and limitations and also to know the laws and principles of psychological processes. The student, in order to pass this subject, must demonstrate the following results: describe and explain what intelligence is, its types, and the main theoretical approaches that account for them, as well as the creative process. Apply the problem solving techniques analysed in the psychology of thought, intelligence and creativity, in an efficient and autonomous manner.

They should address basic aspects of the psychology of thought from an observational and experimental approach, and be capable of a reflective, critical and understanding attitude towards reasoning and intelligence in others. The knowledge, abilities, skills and attitudes acquired and/or developed in the Psychology of Thought, Intelligence and Creativity subject are fundamental for the basic training of the student of the Psychology Degree.

### 3. Syllabus

#### THEMATIC UNIT I: INTRODUCTION

Unit 1. Psychology of thought: general aspects.

Unit 2. Basic approaches to reasoning.

Unit 3. System 1 and System 2.

#### THEMATIC UNIT II: MODES OF THINKING AND REASONING

Unit 4. Deductive reasoning.

Unit 5. Inductive reasoning.

Unit 6. Abductive reasoning.

Unit 7. Analogical thinking.

Unit 8. Visuospatial reasoning.

Unit 9. Narrative thinking.

#### THEMATIC UNIT III: PROBLEM SOLVING, CREATIVITY, INTELLIGENCE

Unit 10. Problem solving.

Unit 11. Creativity.

Unit 12. Intelligence.

### 4. Academic activities

The learning process combines lectures with practical classes, group activities, tutorials and personal work.

The theory sessions include presentations (master classes), videos or excerpts from films and scientific texts. The practical sessions include various activities related to specific aspects of the syllabus (e.g., the design of pictograms, the relationship between pathology and deductive ability, etc.). These activities include small interviews both among students and with people outside the academic context, data collection with different objectives, the use of pencil and paper questionnaires, or the viewing of documentaries.

## **5. Assessment system**

Theory and practice are approved independently. To pass the subject, at least a 5 out of 10 is required in the final theory exam and in the average of the continuous practice evaluation. The final exam will consist of: 100 multiple choice questions with four answer alternatives. This exam is worth 60% of the final grade. 40% is given by the average internship grade. Inappropriate exam items (with response rates less than 15% or greater than 85%) will be reviewed and, if appropriate, discounted to compute the grade.

Continuous evaluation: Theoretical part - After each theoretical unit, a non-compulsory follow-up test will be proposed, which will have a maximum value of 60% in combination with the theoretical exam grade (40%). This weighting will only be applied if the student so wishes. Practical part - The practice is evaluated by completing 4-6 mandatory reports (individual or group) and obtaining an average score of 5 out of 10. The reports may have a different value from each other depending on the degree of difficulty and effort they require. The evaluation of the reports can be carried out through objective multiple choice tests with about 10-15 questions per test. The teacher will determine the structure and the delivery dates. The student must attend 80% of the practical sessions to be eligible for continuous evaluation of the practical part.

Final evaluation: Non-contact students will be evaluated with a theoretical exam and a practical exam. The theory (70% of the grade) has been described previously. The practice (30% of the grade) presents a set of short questions that evaluate the knowledge of 4 to 6 practices that the student must have prepared, understood and developed on their own.

## **6. Sustainable Development Goals**

- 3 - Good Health & Well-Being
- 5 - Gender Equality
- 10 - Reduction of Inequalities