



Year : 2018/19

## **25925 - Intelligence and Creativity: New Approaches**

### **Syllabus Information**

<b>Academic Year:</b>	2018/19
<b>Subject:</b>	25925 - Intelligence and Creativity: New Approaches
<b>Faculty / School:</b>	301 -
<b>Degree:</b>	270 - Degree in Psychology
<b>ECTS:</b>	6.0
<b>Year:</b>	4
<b>Semester:</b>	First Four-month period
<b>Subject Type:</b>	Compulsory
<b>Module:</b>	---

### **General information**

#### **Aims of the course**

#### **Context and importance of this course in the degree**

#### **Recommendations to take this course**

#### **Learning goals**

#### **Competences**

#### **Learning goals**

#### **Importance of learning goals**

#### **Assessment (1st and 2nd call)**

#### **Assessment tasks (description of tasks, marking system and assessment criteria)**

#### **Methodology, learning tasks, syllabus and resources**

#### **Methodological overview**

The methodology followed in this course is oriented towards achievement of the learning objectives. It is based on an active methodology that favors the development of critical thinking. A wide range of teaching and learning tasks are implemented, such as lectures, practice sessions, autonomous work and assessment tasks.

Students are expected to participate actively in the class throughout the semester.

Further information regarding the course will be provided on the first day of class.

## **Learning tasks**

The course includes 6 ECTS organized according to:

- Lectures (3 ECTS): 30 hours.
- Practice sessions (20 ECTS): 20 hours.
- Assignments (10 ECTS): 10 hours.
- Autonomous work (- ECTS): 90 hours.

Lectures: 50 face-to-face participative sessions lasting 50 minutes each one. The professor will present theoretical contents also on the Moodle website.

Practice sessions: 10 practice sessions where students will work with case studies and problem-based activities (training activities). Students are divided into four smaller groups.

Assignments: in groups, students will elaborate an essay (including bibliographical research, analysis, summary, scientific rigorous expression and citations).

## **Syllabus**

### **PART I: INTRODUCTION**

Chapter 1. The psychology of thinking and reasoning.

Chapter 2. The development of reasoning and formal thought.

Chapter 3. Conceptual change and reasoning.

### **PART II: THINKING AND REASONING MODALITIES**

Chapter 4. Visuospatial reasoning.

Chapter 5. Analogy.

Chapter 6. Deductive reasoning.

Chapter 7. Inductive reasoning.

Chapter 8. Mental models (I).

Chapter 9. Mental models (II)

Chapter 10. Narrative thinking.

### **PART III: PROBLEM SOLVING, CREATIVITY, INTELLIGENCE**

Chapter 11. Problem solving.

Chapter 12. Strategies on problem solving.

Chapter 13. Creativity.

Chapter 14. Intelligence.

### **Course planning and calendar**

For further details concerning the timetable, classroom and further information regarding this course please refer to the "Facultad de Ciencias Sociales y Humanas" website (<http://fcsh.unizar.es/psicologia/>)

### **Bibliography and recommended resources**

Look at:

<http://psfunizar7.unizar.es/br13/egAsignaturas.php?codigo=25925&Identificador=1122>