

66710 - Infrastructures and equipment in land organisation

Syllabus Information

Academic year: 2024/25

Subject: 66710 - Infrastructures and equipment in land organisation

Faculty / School: 103 - Facultad de Filosofía y Letras

Degree: 328 - Master's in Land and Environmental Planning

ECTS: 6.0

Year: 1

Semester: Annual

Subject type: Optional

Module:

1. General information

The subject has been designed to provide future professionals with knowledge and methods that enable them to assess how infrastructures and facilities contribute to territorial articulation and to make the appropriate planning and improvement proposals.

These approaches and objectives are aligned, among others, with the following Sustainable Development Goals (SDGs) and Targets: 9. Industry, innovation and Infrastructure, Objective 9.4; 10. Reduction of Inequalities, Objective 10.3; 11. Sustainable Cities and Communities, Objectives 11.1, 11.2 and 11.3; 12. Responsible production and consumption, Objective 12.5.

2. Learning results

- Systematic and critical knowledge of the socio-spatial structures and dynamics of infrastructures and facilities.
- Critical understanding of the conceptual and theoretical foundations necessary for the territorial articulation of infrastructures and facilities.
- Ability to manage and evaluate advanced methodologies and techniques applied to the territorial articulation of infrastructures and facilities.
- Ability to apply and integrate the most complex and innovative knowledge in relation to the territorial articulation of infrastructures and facilities.
- Solvency in the analysis and synthesis of complex issues dealt with during their professional activity.
- Solvency and autonomy in problem solving and decision making.
- Ability to work in an integrated way in an interdisciplinary team and to make original contributions from their own discipline.

3. Syllabus

Topic 1. The service society. Territorial processes and dynamics.

Topic 2. Commercial facilities in the articulation of the territory.

Topic 3. Equipment for the provision of collective services.

Topic 4. Transportation infrastructures and their demand. The challenge of mobility.

Topic 5. Infrastructure networks and the accessibility given to the territory.

4. Academic activities

The following activities are planned for the achievement of the learning results:

- Master classes: interactive sessions for the presentation, analysis and discussion of the different issues in the program.
- Problem solving and case studies in the classroom: review of examples of the problems dealt with in the theoretical classes and application of different analysis techniques in a selection of practical exercises to be carried out individually or in groups.
- Special practices: field practices, supervised visits.
- Personal study.
- Tutorials: to reinforce learning, students may request the tutorials they need.

5. Assessment system

FIRST CALL

a) *Continuous assessment system*

Tests and weighting: presentation of four exercises within the established deadlines. Each of them contributes 25% to the final grade of the subject. The minimum grade for each exercise is 5; the subject is passed with an average of 5 between the four exercises.

Assessment criteria: rigor of the theoretical basis, adequacy of the territorial diagnosis, relevance of the conclusions and quality of the argumentation, among other aspects.

b) *Global assessment test*

Characteristics: theoretical and practical exam on the contents of the syllabus.

Assessment criteria: rigor, relevance and quality in the exposition of theoretical and practical contents. Minimum grade: 5.

SECOND CALL

a) *Global assessment test*

Characteristics, assessment criteria and minimum grade identical to those of the first call.

6. Sustainable Development Goals

4 - Quality Education

9 - Industry, Innovation and Infrastructure

10 - Reduction of Inequalities