

Academic Year/course: 2022/23

## 28340 - Land Coordination: Infrastructures and Services

### Syllabus Information

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**Academic Year:** 2022/23

**Subject:** 28340 - Land Coordination: Infrastructures and Services

**Faculty / School:** 103 - Facultad de Filosofía y Letras

**Degree:** 419 - Degree in Geography and Land Management

**ECTS:** 6.0

**Year:**

**Semester:** Second semester

**Subject Type:** Optional

**Module:**

## 1. General information

### 1.1. Aims of the course

The approach of the subject is based on two principles: 1) to deepen in the contents on the spatial organization of the services and their infrastructures provided for the subject 'Economic Geography: processes and territory' and 2) stimulate student interest in the various subdisciplines of Economic Geography, so that are encouraged to continue their training in this field through the other subjects of this line offered in the Degree or by preparing his master's thesis. The subject also provides content of interest to students who prefer to specialize in Spatial Planning. In any case, it has been intended to offer students receive training analogous to that which they receive at other universities and countries, through a selection of subjects common in the programs of this subject and the management of updated and international bibliography.

### 1.2. Context and importance of this course in the degree

The course is part of the subject 'Territorial planning of socio-economic structures: insight', integrated in turn into the Applications module, whose purpose, within the framework of the Degree, is for the student to incorporate and reinforce the skills directly related to the exercise of the profession. In this line, the subject is offered to students interested in the spatial organization of services and their infrastructures or who they want to deepen their knowledge to improve their training for the performance of territorial planning tasks. It focuses on the study of the location of these activities and, more broadly, of the complex relationships between services, infrastructure and territory. This subject has been attracting geographers for years and specialists from other disciplines such as Space Economics or Urban Planning, among others, which puts students in contact with a rich baggage of concepts, theories, methods and tools of analysis focused on its practical application through case studies and problem solving. The formation obtained reinforces the student's competence to Address the completion of their Final Degree Project, carry out your professional activity after graduation and, where appropriate, continue your graduate training in the field Geography, Territorial Planning or related specialties.

### 1.3. Recommendations to take this course

It is convenient to have an interest in the geographical analysis of economic activity and, particularly, in the relationships between the tertiary activities and the Territorial Planning. The course delves into various issues introduced in subjects of previous courses of the Degree, so it is recommended that students have passed, especially those with essential previous knowledge such as Human Geography: structure and territorial processes; Introduction to economics and Economic Geography: Processes and Territory. It is also essential regular class attendance, timely completion of required practical exercises and progressive study of contents of the subject.

## 2. Learning goals

### 2.1. Competences

Upon passing the subject, the student will be more competent to...

CE9: Acquisition of updated knowledge in the disciplines that comprise Geography and Spatial I

CE6: Mastery of the geographical, conceptual and theoretical foundations necessary to explain temporal at different scales of analysis.

CE3: Knowledge, management, interpretation and evaluation of the various sources of geographic

CE7: Management and application of basic techniques and tools in Geography to approach territorial analysis scales.

CG2: Ability to interpret and critically value the various information handled.

CG3: Ability to solve problems and make appropriate decisions and initiatives, both during the

CG5: Ability to convey information, ideas, problems and solutions to both specialized and non-

## 2.2. Learning goals

In order to pass this subject, the student must demonstrate the following results...

Demonstrate advanced knowledge of the main themes and current approaches of Economic Geography with the services and infrastructures that support them (referred to CE9).

Use with ease and rigor the main concepts and theories on the dynamics and territorial organization and its infrastructures (referred to CE6).

Be able to select the appropriate sources for the analysis of the dynamics and spatial organization and its infrastructures at the usual scales of land use planning (referred to CE3).

Be able to select and apply the techniques and tools for the analysis of the dynamics and spatial organization of services and their infrastructures at the usual scales of land use planning (referred to CE3).

Critically evaluate and evaluate the theoretical and methodological elements integrated in the activities carried out (referred to CG2).

Demonstrate autonomy in solving theoretical-methodological or other problems raised in the activities carried out (referred to CG3).

Present the arguments handled with the rigor, clarity and maturity of their academic level (referred to CE9).

## 2.3. Importance of learning goals

The course provides students with the opportunity to reinforce their theoretical-methodological knowledge and their analytical ability in relation to the geographical study of economic activities and, in particular, services and their infrastructures. In this way, the students strengthen their analysis, synthesis, evaluation capabilities, critical appraisal or others that are equally valuable, such as the ability to communicate rigorously and a level of appropriate maturity the results of their work. Also they specialize in a very important and necessary area for spatial planning. Therefore, upon passing the subject by achieving the intended results, students will be better able to carry out their professional activity as graduates or to continue their training, if applicable, with postgraduate studies.

## 3. Assessment (1st and 2nd call)

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

#### Evaluation activities

The student must demonstrate that they have achieved the learning results through the following activities:

#### First call

a) Continuous evaluation system:

This modality is offered to students who attend 80% of the practical classes and deliver all the assignments. It consists of:

1. Examination of the theoretical contents of the syllabus (40%). Evaluation criteria: Knowledge of the theoretical contents (40%).
2. Completion and submission on the indicated dates of four practical assignments (60%, 15% each).

b) Global evaluation (to be done on the date set in the academic calendar):

Exam with two parts corresponding to the theoretical and practical contents of the program. The theoretical part (40%) will be done on the date set in the academic calendar.

the continuous assessment system may be exempted from taking the practical part.

### **Second call**

Global evaluation test, with the same characteristics, weighting and evaluation criteria indic

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

### **4.1. Methodological overview**

The methodology followed in this course is oriented towards achievement of the learning objectives. It is based on:

- a. The maintenance of an integrated perspective that favors the relationship with others topics and courses of the Degree
- b. The coordination of the learning and teaching tasks with the issues addressed during the course.
- c. The introduction of the way in which the discipline raises, answers or explains issues of great social, economic and environmental interest.

A wide range of teaching and learning tasks are implemented, such as lectures, practical exercises, individual and group tasks, guided tasks, field work, autonomous work and study.

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

Classroom materials will be available via Moodle. These include a repository of the lecture notes used in class, the course syllabus, as well as other course-specific learning materials.

### **4.2. Learning tasks**

The course includes the following learning tasks:

- I. Lectures (28 hours).
- II. Case study and problems-based learning (26 hours). They include interactive, individual or group activities, case studies and problems-based learning, field work.
- III. Field trip (6 hours): technical visits and seminars attendance. During class time those considered compulsory. Electives which cannot be done during class time.
- IV. Guided tasks (20 hours)
- V. Autonomous work and study (64 hours)
- VI. Assessment tasks (6 hours)

### **4.3. Syllabus**

The course will address the following topics:

SECTION 0: Introduction.

- Topic 1. Infrastructures and Services in the territorial articulation.

*SECTION I: Services and facilities*

- Topic 2. Services: definition and classification.
- Topic 3. The sectoral and spatial variations of the services.
- Topic 4. The services in its importance in the territorial articulation.
- Topic 5. The location of services and facilities in the territory.

*SECTION II: Transportation infrastructures and mobility*

- Topic 6. Transportation and the geographical space.
- Topic 7. The historical and technological context: the transport networks development.
- Topic 8. The spatial organization of transport networks and transport systems.
- Topic 9. Urban and interurban mobility.
- Topic 10. Freight distribution and logistics.

### **4.4. Course planning and calendar**

The course is divided into 3 sections. The course topics are taught in weekly two-hour lecture sessions, supported by two

weekly one-hour seminars. Each section lasts for about four weeks.

The written exam is carried out at the end of the first section.

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course will be provided on the first day of class or please refer to the 'Facultad de Filosofía y Letras' website (<https://fyl.unizar.es/horario-de-clases#overlay-context=horario-de-clases>)

#### **4.5. Bibliography and recommended resources**

- Mérenne-Schoumaker, Bernadette. Géographie des services et des commerces / Bernadette Mérenne-Schoumaker Rennes : Presses Universitaires de Rennes, 2003
- Rodrigue, J.P.; Comtois, C.; Slack, B.. The Geography of transports systems. London: Routledge, 2013

Additional materials and resources are provided *via* the Moodle site of the course.