

## 66710 - Infrastructures and equipment in land organisation

### Información del Plan Docente

Academic Year	2017/18
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**

#### **1.1.Introduction**

#### **1.2.Recommendations to take this course**

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

#### **1.4.Activities and key dates**

### **2.Learning goals**

#### **2.1.Learning goals**

#### **2.2.Importance of learning goals**

### **3.Aims of the course and competences**

#### **3.1.Aims of the course**

#### **3.2.Competences**

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

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

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

#### **5.1.Methodological overview**

The learning process designed for this course aims to maintain an integrated perspective that favors the relationship with others subjects and courses of the Master Degree and to adopt a professional approach in the analysis and resolution of the problems generated by the spatial planning of the services and transport equipments and infrastructures.

A wide range of teaching and learning activities is implemented, such as interactive lessons, practical exercises, individual or group activities, directed activities, field work and private study. A high level of student participation will be

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required from all students throughout the course. The Moodle site of the course offers a variety of resources including a repository of the lecture notes used in class, a course syllabus as well as other forms of course-specific materials, including a discussion forum.

### 5.2.Learning tasks

Interactive lecture sessions for the presentation of the main conceptual and theoretical issues: 30 hours

Practical activities, individual or in small groups, including case studies and problems based learning: 20 hours

Private study: 90 hours

Optional individual and group tutorials

### 5.3.Syllabus

The lecture course will address the following main issues:

#### PART I

- 1: The infrastructure and the equipments in the spatial organisation of the territories
- 2: The sectoral and spatial variations of the infrastructure and the equipments at various scales
- 3: Approaches and principles applicable to the spatial organisation of the infrastructures and equipments

#### PART II.

4. The retail activities. Trends and location
5. The geography of the collective services
6. The transport infrastructures

#### PART III.

7. Classical theories about the location of retail and equipments
8. Contemporary theories on the location of equipment
- 9: Explanatory models for the demand for transport and communication infrastructures

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10. Explanatory models for the development of transport and communication networks

PART IV.

11. Advanced methods for the delimitation of areas of influence of equipments

12. Advanced methods for optimizing locational decisions for equipments

13: Advanced methods for analyzing network infrastructures and territorial accessibility

### 5.4.Course planning and calendar

The course is developed through thirteen weekly theoretical and practical seminars. Each semina will be devoted to the presentation of a main topic of the programme. For further details concerning the timetable, classroom and other information of the course please refer to the "Facultad de Filosofía y Letras" web site (<https://fyl.unizar.es/horario-de-clases#overlay-context=horario-de-clases>) and the Moodle site of the course

### 5.5.Bibliography and recommended resources

- Berry, Brian J. L.. Market centers and retail location : theory and applications / Brian J.L. Berry, John B. Parr Englewood Cliffs : Prentice-Hall, 1988
- SIG y localización óptima de instalaciones y equipamientos / coordinadores, Joaquín Bosque Sendra, Antonio Moreno Jiménez Madrid : Ra-ma, D.L. 2004
- Bryson, J.; Daniels, P.; Warf, B.. Services worlds. People, Organisations, Technologies London: Routledge, 2004
- Cuadrado Roura, J.R.: ? Los servicios en la economía española y sus perspectivas de futuro?.Mediterráneo económico Almería : Caja Rural Intermediterránea Cajamar,2010, vol. 16, pp.203-225 [Publicación periódica]
- Dickens, Peter. Location in space : theoretical perspectives in economic geography / Peter Dicken, Peter E. Lloyd . - 3rd. ed. New York [etc.] : Harper Collins, 1990
- Ghosh, Avijit. Location strategies for retail and service firms / Avijit Ghosh, Sara L. McLafferty Lexington : Lexington Books, cop. 1987
- Hanink, Dean M.. Principles and applications of economic geography : economy, policy, environment / Dean M. Hanink New York [etc.] : John Wiley, cop. 1997
- Mérenne-Schoumaker, Bernadette. Géographie des services et des commerces / Bernadette Mérenne-Schoumaker Rennes : Presses Universitaires de Rennes, 2011
- Rodrigue, J.P.; Comtois, C.; Slack, B.. The Geography of transports systems. London: Routledge, 2013
- Thomas, Isabelle. Transportation networks and the optimal location of human activities : a numerical geography approach / Isabelle Thomas Cheltenham ; Northampton : E. Elgar Pub, 2002

Extensive additional material will be available via the Moodle site of the course.