

## **66710 - Infrastructures and equipment in land organisation**

### **Información del Plan Docente**

<b>Academic Year</b>	2016/17
<b>Academic center</b>	103 - Facultad de Filosofía y Letras
<b>Degree</b>	328 - Master's in Land and Environmental Planning
<b>ECTS</b>	6.0
<b>Course</b>	1
<b>Period</b>	Annual
<b>Subject Type</b>	Optional
<b>Module</b>	---

### **1.Basic info**

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

#### **1.2.Activities and key dates for the course**

### **2.Initiation**

#### **2.1.Learning outcomes that define the subject**

#### **2.2.Introduction**

### **3.Context and competences**

#### **3.1.Goals**

#### **3.2.Context and meaning of the subject in the degree**

#### **3.3.Competences**

#### **3.4.Importance of learning outcomes**

### **4.Evaluation**

### **5.Activities and resources**

#### **5.1.General methodological presentation**

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 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,

## **66710 - Infrastructures and equipment in land organisation**

including a discussion forum.

### **5.2.Learning activities**

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.Program**

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

## **66710 - Infrastructures and equipment in land organisation**

### **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.Planning and scheduling**

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 concernig 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 recomendated 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 tansports 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.