

Program	09AQ-Master in Telecommunication Engineering
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Course number and name	
Number	93000801
Name	Strategic Vision of Technologies and Systems Integration in ICT Sector Visión Estratégica de la Integración de Tecnologías y Sistemas en el Sector TIC
Semester	Y1 - S1

Credits and contact hours	
ECTS Credits	3
Contact hours	30

Coordinator's name	Jorge Pérez Martínez
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Specific course information		
Description of course content		
Providing a holistic view of the technological, socio-economic and regulatory environments in which its activities are carried Telecommunication Engineers and analyze the strategies of economic operators and institutional actors involved in value creation in the markets in the ICT sector.		
List of topics to be covered		
1. Analysis of the ICT sector and the Information Society environment. 2. The Internet ecosystem. 3. The sector of telecommunications networks and services. 4. The digital economy and the content industry. 5. Challenges and opportunities for the professional practice of the telecommunications Engineering		
Prerequisites or co-requisites		
NONE		
Course category in the program		
<input checked="" type="checkbox"/> R (required)	<input type="checkbox"/> E (elective)	<input type="checkbox"/> SE (selective elective)

Specific goals for the course
Specific outcomes of instruction
RA1 - Knowledge of the key aspects of technological, regulatory and economic nature in the ICT sector. RA2 - Acquire methodologies for work in multidisciplinary and uncertain environments. RA3 - Knowledge and practice of strategic analysis of the deployment of networks and electronic communication services.

RA4 - Knowledge and practice of strategic analysis of the Internet ecosystem
 RA5 - Knowledge and practice of strategic analysis of the digital economy

Student outcomes addressed by the course

CG1, CG2, CG3, CG4, CG5
 CT2, CT3, CT4, CT5, CE15, CE16

Bibliography and supplemental materials

- J. Perez (coordinator). "GRETEL 2000: Convergence, competition and regulation in the markets of telecommunications, broadcasting and Internet". Ed. COIT, 2000.
- J. Perez Feijoo C., F. J. Garcia (eds). "New European Design for Telecommunications, the Audiovisual and Internet". Ed. COIT, 2002.
- J. Perez (coordinator). "Network Neutrality: Contributions to the Debate". Ed. Ariel. 2011
- J. Perez and E. Badia (coordinators) . "The debate about privacy and security on the Net: Regulation and Markets". 2012.
- SECTOR REPORTS OF CNMC and AMETIC

Teaching methodology

<input checked="" type="checkbox"/> lectures	<input checked="" type="checkbox"/> problem solving sessions	<input checked="" type="checkbox"/> collaborative actions	<input type="checkbox"/> laboratory sessions
Other:			