

<b>Program</b>	<b>09AQ-Master in Telecommunication Engineering</b>
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<b>Course number and name</b>	
<b>Number</b>	93.000.800
<b>Name</b>	Project Management Gestión de proyectos
<b>Semester</b>	1Y-2S

<b>Credits and contact hours</b>	
<b>ECTS Credits</b>	6
<b>Contact hours</b>	48

<b>Coordinator's name</b>	Francisco González Vidal
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<b>Specific course information</b>		
<b>Description of course content</b>		
The course enables students to plan and manage the implementation of engineering ICT projects, taking into account the conditions of organizational, techno- economic and regulatory environment.		
<b>List of topics to be covered</b>		
Project and organization Life Cycles PMI processes Project initiation processes . The portfolio of projects. Planning scope : formalizing specifications Quality Plans . Quality in the ICT environment Planning activities. PERT -CPM , Gantt Cost Planning Process Execution control Softskills and related topics		
<b>Prerequisites or co-requisites</b>		
Equivalent to ITC BS degrees.		
<b>Course category in the program</b>		
<b>X R (required)</b>	<b>__ E (elective)</b>	<b>__ SE (selective elective)</b>

<b>Specific goals for the course</b>	
<b>Specific outcomes of instruction</b>	
RA1. Ability to address the management of a single engineering project in all its phases:	

planning, resource allocation, economic viability study and monitoring and control.  
 RA2. Learning about complementary aspects for the management of an engineering project: quality and risk management and decision making .  
 RA3. Cross- practical skills necessary to manage engineering projects.  
 RA4. Ability to address the management of engineering projects as an ethical and systemic problem, taking into account technology , management and human factor.

**Student outcomes addressed by the course**

CB1, CB2, CB3, CB4, CB5, CT2, CT3, CT4, CT5, CT6, CE6, CE7, CE16

**Bibliography and supplemental materials**

A guide to the project management body of knowledge. PMI Standars Committee. Project Management Institute, 2013. ISBN: 978-1-935-58967-9.

H. Kerzner. Project management. A systems approach to planning, scheduling and controlling. 11th edición. John Wiley & Sons. 2013.ISBN: 978-1-118-02227-6.

B. W. Taylor. Introduction to Management Science 7th Ed. Prentice Hall, 2001. ISBN: 0-13-033190-2.

A. J. Shenhar, D. Dvir. Reinventing Project Management. Ed. Harvard Business School Press. 2007. ISBN: 978-1-59139-800-4.

H. Kerzner. Project Management. Case Studies (2nd ed.). Wiley. 2010. ISBN: 978-0-471-75167-0.

PMI web page

Course Moodle page

**Teaching methodology**

<b>X lectures</b>	<b>__ problem solving sessions</b>	<b>X collaborative actions</b>	<b>__ laboratory sessions</b>
<b>Other:</b>			