(*)Facultade de Ciencias da Educación e do Deporte

Máster Universitario en Dirección Integrada de Proyectos

Subjects

Year 1st

Code	Name	Quadmester	Total Cr.
P02M163V01101	DIP Conceptual Framework	An	3
P02M163V01102	Life Cycle and Project Standards	An	3.5
P02M163V01103	Project Integration and Scope Management	An	5
P02M163V01104	Project Time Management	An	5
P02M163V01105	Project Cost Management	An	3.5
P02M163V01106	Project Quality Management	An	3
P02M163V01107	RR management. H H. of the Project, Communications and Stakeholder Management	An	4
P02M163V01108	Project Risk Management and Acquisitions	An	6
P02M163V01109	Economic Environment and Procedures. Project Start	An	5
P02M163V01110	Headquarters and Execution Management	An	3
P02M163V01111	Seguimiento y Control. Manuales de procedimiento	An	3
P02M163V01112	Project Monitoring, Control, and Closure	An	3
P02M163V01113	Project Monitoring, Control and Closure	An	3
P02M163V01114	Information Systems Needs and Technologies	An	5
P02M163V01115	Management of an ICT Projects	An	3
P02M163V01116	Standards for ICT Project Management	An	3
P02M163V01117	Internships	An	6
P02M163V01118	Master's Thesis	An	10

IDENTIFYING DATA

DIP Conceptual Framework

Subject	DIP Conceptual Framework
Code	P02M163V01101
Study programme	Máster Universitario en Dirección Integrada de Proyectos

Descriptors	ECTS Credits	Choose	Year	Quadmester
	3	Mandatory	1st	An

Teaching language	Spanish
Department	
Coordinator	García García, Óscar
Lecturers	García García, Óscar
E-mail	oscargarcia@uvigo.es
Web	http://www.mdip.es
General description	Will carry out the conceptualization of the methodology in Integrated Direction of Projects, analysing the structure, foundations and context of the same.

Training and Learning Results

Code	
A1	Possess and comprise knowledges that contribute a base or opportunity to be original in the development and/or application of ideas, often in a context of investigation.
A2	That the students know to apply the knowledges purchased and his capacity of resolution of problems in new surroundings or little known inside contexts wider (or multidisciplinary) related with his area of study.
B1	Capacity of analysis and synthesis.
B2	Capacity of Organisation and Planning
B4	Capacity of research, analysis and selection of notable information
B5	Capacity of utilisation and management of the information
B9	Capacity for the resolution of problems
B13	Capacity of leadership, dialogue and negotiation
C8	Capacity of organisation and planning the different phases of a project.
C19	Capacity for the editorial of the project as well as for his communication of form convincing, clear, concise and without ambiguities
D5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.

Expected results from this subject

Expected results from this subject	Training and Learning Results
The student will be able to identify and define a project.	A2 B4 B9 C19
The student will be able to identify and define the processes of a project.	A1 A2 B4 C8
The student will be able to comprise the structure of integration of the processes inside a project.	A1 A2 B2 B5 C19
The student will be able to comprise as it affects the surroundings to the development of the project.	A2 B1 B13 C8
The student will be able to identify norms and regulations of the direction of projects.	A2 B4 B5 C8

The student will be able to know the foundations that *sustentan the integrated direction of projects.	A1 B5 D5
The student will be able to develop skills for the adaptation to new situations and resolution of problems, and for the autonomous learning.	A1 B1 B9 C19 D5

Contents

Topic	
Subject I. Definition and identification of the project	Definition of Characteristic project of the project Terminology used
Subject II. The Direction of Project.	The Direction and management of projects The management of projects like profession The certifications of associations in direction of projects
Subject III. Structure for the integration of the project. Predictive and agile methods.	The Structure of the predictive methods: PMBok, Prince2, ISO 21500, IPMA ICB The Structure of the Agile methods: Scrum, DSDM, Extreme-programing
Subject IV. Foundations of the direction of projects: Concept and areas of experience.	The foundations of the best practices The success of the project
Subject V. Context of the integrated direction of projects	The strategic plan The portafolio The program The project The subproject

Planning

	Class hours	Hours outside the classroom	Total hours
Lecturing	6	4	10
Presentation	6	5	11
Case studies	2	8	10
Problem solving	2	10	12
Flipped Learning	2	2	4
Mentored work	1	10	11
Objective questions exam	1	6	7
Essay	0	4	4
Essay	0	6	6

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Lecturing	Exhibition by part of the professor of the contents on the matter object of study, theoretical bases and/or guidelines of the work, exercise or project to develop by the student.
Presentation	Put in common and debate by part of the students and professor of the works realised following the guidelines of the educational.
Case studies	Along the course present situations problem that will be analysed and studied by part of the students to propose solutions to the same.
Problem solving	Along the course will propose exercises that will have to resolve of individual form by part of student.
Flipped Learning	The student will receive through the platform of teledocencia Moovi documentation so that it can work on her and later can pose to the professor doubt or problems of learning related with these contents
Mentored work	It is works proposed by the educational that will be able to develop of individual or collective form

Personalized assistance

Methodologies	Description
Lecturing	During the tutorial hours, specific doubts about the exercises, cases and explanations made during the theoretical classes will be resolved. The tutorials may be solved by face-to-face or virtual modality, either through the virtual offices of the professors (1006, prof. Dr. Oscar García García), or by email or through the forums of the Moovi tele-teaching platform.

		Description	Qualification	Training and Learning Results

Problem solving	During the tutorial hours, specific doubts about the exercises, cases and explanations made during the teaching will be resolved. The tutorials may be solved by face-to-face or virtual modality, either through the virtual offices of the professors (1006, prof. Dr. Oscar García García), or by email or through the forums of the Moovi tele-teaching platform.
Mentored work	During the tutoring hours, specific doubts about the supervised work will be resolved, which will serve to monitor and control them. The tutorials may be solved by face-to-face or virtual modality, either through the virtual offices of the professors (1006, prof. Dr. Oscar García García), or by email or through the forums of the Moovi tele-teaching platform.

Assessment

	Description	Qualification	Training and Learning Results			
Objective questions exam	It consists of 20 questions and only answer on all the contents given in the subject.	40	A1 A2	B4 B5		D5
Essay	Brief works in base to the contents given in the matter.	30		B1 B2 B9 B13	C8 C19	
Essay	Work on the structure of the predictive and agile projects	30		B1 B2 B9 B13	C8 C19	

Other comments on the Evaluation

It is necessary to surpass all the proofs to obtain a positive calification final in the subject. In case of not having surpassed the subject in the first announcement, the no purchased competitions being evaluated in the announcement of July of the same form. The official dates of the exams can consult in the web of the Master www.mdip.es

Sources of information

Basic Bibliography

AENOR, **Norma española UNE-ISO 21502:2020. Gestión del proyecto, programa y portafolio: Guía para la gestión del proyecto**, Asociación Española de Normalización y Certificaci, 2020

Project Management Institute, **A Guide to the Project Management Body of Knowledge (PMBOK® Guide).**, 6, Project Management Institute, 2017

Harvard Business review, **GUÍAS HBR: GESTIÓN DE PROYECTOS**, 1, REVERTE MANAGAMENT, 2017

Susan Tuttle, **PRINCE 2 In Action**, ISBN13: 9781849289818, IT Gobernance, 2018

Complementary Bibliography

Project Management Institute, **Guía de los Fundamentos para la Dirección de Proyectos (Guía PMBOK®)**, 7, Project Management Institute, 2021

Project Management Institute., **The standard for Portfolio Management**, 4, Project Management Institute, 2017

Project Management Institute., **The standard for Program Management**, 4, Project Management Institute, 2017

Nokes, S., Greenwood, A., Major, I. & Goodman, M., **La guía definitiva de la gestión de proyectos. La vía rápida de todo ejecutivo para cumplir a tiempo y dentro del presupuesto.**, 1, Prentice Hall, 2007

García García, O. y Serrano Gómez, V., **El ciclo de vida del proyecto. Del proyecto al producto**, 1, Master Oficial Interuniversitario en dirección int, 2009

Tudor, D.J., **Agile Project and Service Management: Delivering IT Services Using ITIL, PRINCE2 and DSDM Atern**, 1, The Stationery Office, 2010

Biafore, B. y Stover, T, **Gestión de proyectos en el mundo real**, 1, Anaya, 2012

Recommendations

Subjects that continue the syllabus

Life Cycle and Project Standards/P02M163V01102

Project Integration and Scope Management/P02M163V01103

IDENTIFYING DATA

Life Cycle and Project Standards

Subject	Life Cycle and Project Standards
Code	P02M163V01102
Study programme	Máster Universitario en Dirección Integrada de Proyectos

Descriptors	ECTS Credits		Choose	Year	Quadmester
	3.5		Mandatory	1st	An

Teaching language	Spanish
Department	
Coordinator	Cancela Carral, José María
Lecturers	Cancela Carral, José María García García, Óscar
E-mail	chemacc@uvigo.es
Web	http://www.mdip.es
General description	Analysis of the phases of the life cycle of projects and standards that support

Training and Learning Results

Code	
A2	That the students know to apply the knowledges purchased and his capacity of resolution of problems in new surroundings or little known inside contexts wider (or multidisciplinary) related with his area of study.
A3	That the students are able to integrate knowledges and confront to the complexity to formulate trials from an information that, being incomplete or limited, include reflections on the social and ethical responsibilities linked to the application of his knowledges and trials.
A4	That the students know to communicate his conclusions, and the knowledges and reasons last that the maintain, to skilled publics and no specialised of a clear way and without ambiguities.

Expected results from this subject

Expected results from this subject	Training and Learning Results
Identify the rules of project management.	A2 A3
Know and apply the rationale underpinning the integrated project management.	A2 A3
Develop skills to adapt to new situations and problem solving, and independent learning for him.	A3 A4

Contents

Topic	
Chapter I. What is the life cycle of a project?	Life Cycle
Chapter II. Features stages of a project.	Features Lifecycle
Chapter III. Model life cycle of a project.	Life Cycle Models
Chapter IV. Project life cycle and product life cycle.	Life Cycle : Project vs Product
Chapter V. Case Studies: Montreal 76 Olympics, American's Cup 2007.	Case Studies
Chapter VI. Processes and procedures: What makes them different?	Process vs Procedures
Chapter VII. The areas of knowledge within a project.	The areas of knowledge in DIP methodology
Chapter VIII. The phases of project development	The development of a project: Its phases
Chapter IX. The flowcharts . Its importance and representativeness.	the flowcharts
Chapter X. The processes of initiation.	The processes of initiation
Chapter XI. Planning processes .	Planning processes
Chapter XII. Execution processes .	Execution Processes
Chapter XIII. Processes Monitoring and Control.	Processes Monitoring and Control
Chapter XIV. Closing processes .	Closing Processes

Planning

	Class hours	Hours outside the classroom	Total hours
Case studies	4	8	12
Autonomous problem solving	0	12.5	12.5
Lecturing	17	34	51
Objective questions exam	2	0	2
Essay	0	10	10

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Case studies	Formulation, analysis, discussion and resolution of problems or related to the life cycle of a project and the rules governing the exercise.
Autonomous problem solving	Identify different groups of processes and procedures following the methodology of integrated project management as well as the timing of the project life cycle.
Lecturing	Oral presentation master class with audiovisual support for the contents of the object field of study, theoretical and / or guidelines of work, exercise or project to be developed by the student.

Personalized assistance

Tests	Description
Essay	The student will receive individual attention in tutoring schedule. The tutoring schedule is available at the web master: www.mdip.es.

Assessment

	Description	Qualification	Training and Learning Results
Objective questions exam	It consists of 20 questions and only answer to all the content taught in the course.	30	
Essay	Lifecycle approach and the rules governing the processes needed to carry out a project proposed by the student or teacher.	70	

Other comments on the Evaluation

Note: Is necessary surpass both proofs to obtain a assessment final positive in the subject. In case of had not surpassed the subject in the first announcement, the no purchased competitions will be evaluated in the announcement of July of the same form. The official dates of the tests can consulted in the web of the Master www.mdip.es

Sources of information

Basic Bibliography

García García, O. y Serrano Gómez, V., **El ciclo de vida del proyecto. Del proyecto al producto**, 1ª, UDC, 2009

Project Management Institute, **Fundamentos de la Dirección de Proyectos**, 1ª, PMI, 2008

Complementary Bibliography

Kerzner, H., **Project Management: A Systems Approach to Planning, Scheduling, and Controlling**, 1ª, John Wiley &amp;amp; Sons., 2008

okes, S., Greenwood, A., Major, I. &amp;amp; Goodman, M., **a guía definitiva de la gestión de proyectos. La vía rápida de todo ejecutivo para cumplir a tiempo y dentro del presupuesto**, 1ª, Prentice Hall., 2007

Pinedo Iglesias, E., **Ciclo de vida de un proyecto de promoción público privada**, 1ª, asociación LUGH de directores de proyecto, 2008

Recommendations

Subjects that continue the syllabus

Project Integration and Scope Management/P02M163V01103

Subjects that it is recommended to have taken before

DIP Conceptual Framework/P02M163V01101

Project Integration and Scope Management				
Subject	Project Integration and Scope Management			
Code	P02M163V01103			
Study programme	Máster Universitario en Dirección Integrada de Proyectos			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	5	Mandatory	1st	An
Teaching language	Spanish			
Department				
Coordinator	García García, Óscar			
Lecturers	García García, Óscar Sanjurjo Royo, Eduardo José Viñas Méndez, Emilia			
E-mail	oscargarcia@uvigo.es			
Web	http://www.mdip.es			
General description	*Analisis Of the different stages and *entregables to attain during the development of the Integration and scope of the project.			

Training and Learning Results

Code	
A1	Possess and comprise knowledges that contribute a base or opportunity to be original in the development and/or application of ideas, often in a context of investigation.
A2	That the students know to apply the knowledges purchased and his capacity of resolution of problems in new surroundings or little known inside contexts wider (or multidisciplinary) related with his area of study.
B1	Capacity of analysis and synthesis.
B2	Capacity of Organisation and Planning
B4	Capacity of research, analysis and selection of notable information
B5	Capacity of utilisation and management of the information
B9	Capacity for the resolution of problems
C5	Identify and comprise the interaction between the groups of processes that carry out in the surroundings of the Project Manager.
C8	Capacity of organisation and planning the different phases of a project.
C19	Capacity for the editorial of the project as well as for his communication of form convincing, clear, concise and without ambiguities
C21	Capacity to manage the obtaining of the resulted chord to the criteria of term, cost and quality, and of the customer
D5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.
D7	Develop for the exercise of an open citizenship, literate, critical, committed, democratic and solidarity, able to analyse the reality, diagnose problems, formulate and implant solutions based in the knowledge and oriented to the very common.
D8	Use the basic tools of the technologies of the information and the communications (TIC) necessary for the exercise of his profession and for the learning along his life.

Expected results from this subject

Expected results from this subject	Training and Learning Results
The student will be able to comprise the structure of integration inside a project, relating all the areas of knowledge in the plan of management	A2 B2 C5 C8 D5
The student will be able to comprise the importance of the Record of Constitution, of the management of the change and of the closing of the project	A1 A2 B1 B2 B4 C5 C8 D5

The student will be able to know and use the basic tools of taking of requirements and of control of the scope of a project	A2 B1 B4 B9 C5 C21 D5
The student will be able to define the scope of a project, knowing the difference between the scope of the product and of the project	A1 A2 B2 B4 C5 C8 D5 D8
The student will be able to develop a structure of breakdown of work (*EDT) for the project	B2 B4 B5 C8 C19 D7 D8

Contents

Topic	
Subject I. The management of the integration in the project.	The key element of the integrated direction
Subject II. The Development of the Record of Constitution of the Project	Practical examples and documents
Subject III. The Development of the Plan of Management of the Project	The integration of the areas of knowledge
Subject IV. The Integrated Control of Changes	The management of the change
Subject V. The Development of the document of closing of the project	Practical examples and documents
Subject VI. The identification of requirements of a project	Tools
Subject VII. The Definition of the scope of a project	Practical examples and documents
Subject VIII. Creation of the structure of breakdown of the work (EDT) of a project step by step	Practical examples and Exercises
Subject IX. The Verification of the scope of a project.	The feasibility of the aims of the project
Subject X. The control of the scope of a project	The start of the triple restriction

Planning

	Class hours	Hours outside the classroom	Total hours
Lecturing	20	15	35
Debate	6	8	14
Flipped Learning	2	12	14
Case studies	5	25	30
Essay	0	14	14
Presentation	1	5	6
Essay	0	12	12

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Lecturing	Oral exhibition with audiovisual support of the contents of the matter object of study.
Debate	Formulation, analysis, resolution and debate of problems or exercises related the integration and acquisition and his management
Flipped Learning	The student will receive through the platform of teledocencia Moovi documentation so that it can work on her and later can pose to the professor doubt or problems of learning related with these contents
Case studies	Study of situations proposed by the educational.

Personalized assistance

Methodologies	Description
Lecturing	During the tutorial hours, specific doubts about the exercises, cases and explanations made during the theoretical classes will be resolved. The tutorials may be resolved through face-to-face or virtual mode, either through the virtual offices of the teachers (1006, prof. Dr. Oscar García García), or by email or through the forums of the Moovi tele-teaching platform.
Case studies	During the tutoring hours, specific doubts about the cases and situations raised during the classes will be resolved. The tutorials may be resolved through face-to-face or virtual mode, either through the virtual offices of the teachers (1006, prof. Dr. Oscar García García), or by email or through the forums of the Moovi tele-teaching platform.

Assessment

	Description	Qualification	Training and Learning Results			
Essay	Works tutored, following the marked guidelines by the educational	30	A1 A2	B2 B4 B9	C8 C21	D5
Presentation	Presentation, defence and debate of the work realized	40		B1 B5	C5 C19	D7 D8
Essay	It will consist in managing the scope of a project	30	A1	B2 B4 B9	C8 C21	D7

Other comments on the Evaluation

The student must pass all three tests to pass the subject. The student who does not develop all the proposed works and presentations must take the official exams, which will have a value of 100%. The exam will be multiple choice with 20 single-answer questions (20%) and two development exercises (40% each). In case of not having passed the subject in the first call, the skills not acquired will be evaluated in the July call through the same type of tests (multiple test and development exercises). The official dates of the exams can be consulted on the Master's website www.mdip.es

Sources of information

Basic Bibliography

AENOR, **Norma española UNE-ISO 21502:2020. Gestión del proyecto, programa y portafolio: Guía para la gestión del proyecto**, Asociación Española de Normalización y Certificaci, 2020

Project Management Institute., **A Guide to the Project Management Body of Knowledge (PMBOK® Guide)**, 6, Project Management Institute, 2017

HARVARD BUSINESS REVIEW, **GUÍAS HBR: GESTIÓN DE PROYECTOS**, 1, REVERTE MANAGAMENT, 2017

Sanjurjo, E., **El puzzle del director del proyecto**, 1, Master Oficial Interuniversitario en dirección int, 2009

Biafore, B. y Stover, T, **Gestión de proyectos en el mundo real**, 1, Anaya, 2012

Complementary Bibliography

Project Management Institute, **Guía de los Fundamentos para la Dirección de Proyectos (Guía PMBOK®)**, 7, Project Management Institute, 2021

Recommendations

Subjects that continue the syllabus

Project Time Management/P02M163V01104

Subjects that it is recommended to have taken before

Life Cycle and Project Standards/P02M163V01102

DIP Conceptual Framework/P02M163V01101

IDENTIFYING DATA
Project Time Management

Subject	Project Time Management			
Code	P02M163V01104			
Study programme	Máster Universitario en Dirección Integrada de Proyectos			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	5	Mandatory	1st	An
Teaching language	Spanish			
Department				
Coordinator	Cancela Carral, José María			
Lecturers	Cancela Carral, José María Guillén Solórzano, Eduardo Martínez Carballo, Manuel			
E-mail	chemacc@uvigo.es			
Web	http://www.mdip.es			
General description	The Master in Direction Integrated of Projects (DIP) is some qualifications interuniversity and this subject is imparted by the University of A Coruña. His teaching guide consult in: https://guiadocente.udc.es/guia_docent/index.php?centre=670&ensenyament=670471&consulta=assignatures			

Training and Learning Results
Code

Expected results from this subject

Expected results from this subject	Training and Learning Results

Contents
Topic

Planning

	Class hours	Hours outside the classroom	Total hours

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description

Personalized assistance

Assessment

Description	Qualification	Training and Learning Results

Other comments on the Evaluation

Sources of information
Basic Bibliography
Complementary Bibliography

Recommendations

Subjects that it is recommended to have taken before
Project Integration and Scope Management/P02M163V01103

IDENTIFYING DATA

Project Cost Management

Subject	Project Cost Management
Code	P02M163V01105
Study programme	Máster Universitario en Dirección Integrada de Proyectos

Descriptors	ECTS Credits	Choose	Year	Quadmester
	3.5	Mandatory	1st	An

Teaching language	Spanish
Department	
Coordinator	Cancela Carral, José María
Lecturers	Cancela Carral, José María Nieto Uria Ribeiro de Almeida, Arturo
E-mail	chemacc@uvigo.es
Web	http://www.mdip.es
General description	The Master in Direction Integrated of Projects (DIP) is some qualifications interuniversity and this subject is imparted by the University of A Coruña. His teaching guide consult in: https://guiadocente.udc.You are/guia_docent/index.php?It center=670&ensenyament=670471&query=assignatures

Training and Learning Results

Code

Expected results from this subject

Expected results from this subject	Training and Learning Results

Contents

Topic

Planning

	Class hours	Hours outside the classroom	Total hours

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description

Personalized assistance

Assessment

Description	Qualification	Training and Learning Results

Other comments on the Evaluation

Sources of information

Basic Bibliography

Complementary Bibliography

Recommendations

IDENTIFYING DATA

Project Quality Management

Subject	Project Quality Management
Code	P02M163V01106
Study programme	Máster Universitario en Dirección Integrada de Proyectos

Descriptors	ECTS Credits		Choose	Year	Quadmester
	3		Mandatory	1st	An

Teaching language	Spanish
Department	
Coordinator	Cancela Carral, José María
Lecturers	Cancela Carral, José María Martínez Carballo, Manuel
E-mail	chemacc@uvigo.es
Web	http://www.mdip.es
General description	Analysis of the quality plan and project assurance.

Training and Learning Results

Code	
B1	Capacity of analysis and synthesis.
B2	Capacity of Organisation and Planning
B4	Capacity of research, analysis and selection of notable information
B5	Capacity of utilisation and management of the information
B7	Orientation to the customer
B14	Motivation by the quality
C2	Know initiate, schedule, direct, control and close Projects of Building and Territorial Development in the speciality of Building and Territorial Development
C3	Know initiate, schedule, direct, control and close Projects of Leisure and Sport in the speciality of Leisure and sport
C4	Know initiate, schedule, direct, control and close Projects of Systems of Information in the speciality of Systems of Information
D4	Assume like professional and citizen the importance of the learning along the life.
D5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.

Expected results from this subject

Expected results from this subject	Training and Learning Results
Understanding the project environment.	B1 B2 B4 B5 C2 C3 C4 D4 D5
Identify rules and regulations of the project management.	B1 B4 B7 B14 C2 C3 C4 D4 D5

Understand the fundamentals underpinning the integrated project management	B1
	B2
	B4
	B5
	B14
	C2
	C3
	C4
	D4
	D5
(*)Develop skills for the adaptation to new situations and resolution of problems, and for the autonomous learning.	B1
	B4
	B14
	C2
	C3
	C4
	D4
	D5

Contents

Topic	
Subject I. *Introduccuón To the Quality	The quality. His concept
Subject II. Quality *vs Security	The Quality and the security
Subject III. The planning of the Quality	The quality: his planning
Subject IV. The *aseguramiento of the Quality	The Quality: his *aseguramiento
Subject IV. The control of the Quality	The quality: his control

Planning

	Class hours	Hours outside the classroom	Total hours
Lecturing	14	37	51
Case studies	3	7	10
Problem solving	3	7	10
Objective questions exam	1	3	4

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Lecturing	Presentation by the teacher of the contents on the object field of study, theoretical and / or guidelines of work, exercise or project to be developed by the student.
Case studies	Throughout the course problem situations to be analyzed and studied by the students to propose solutions to it are presented.
Problem solving	Throughout the course exercises to be resolved individually by the student will be proposed.

Personalized assistance

Methodologies	Description
Case studies	The student will receive individual attention in tutoring schedule established for this purpose during the academic year. For your query must use the web www.mdip.es

Assessment

	Description	Qualification	Training and Learning Results
Case studies	Case studies and analysis of situations	60	
Objective questions exam	It consists of 20 questions and only answer to all the content taught in the course.	40	

Other comments on the Evaluation

Sources of information
Basic Bibliography
Complementary Bibliography

Recommendations

Subjects that continue the syllabus

RR management. H H. of the Project, Communications and Stakeholder Management/P02M163V01107

Subjects that it is recommended to have taken before

Project Cost Management/P02M163V01105

IDENTIFYING DATA

RR management. H H. of the Project, Communications and Stakeholder Management

Subject	RR management. H H. of the Project, Communications and Stakeholder Management
Code	P02M163V01107
Study programme	Máster Universitario en Dirección Integrada de Proyectos

Descriptors	ECTS Credits		Choose	Year	Quadmester
	4		Mandatory	1st	An

Teaching language	Spanish
Department	
Coordinator	Serrano Gómez, Virginia
Lecturers	Serrano Gómez, Virginia
E-mail	vserrano@uvigo.es
Web	http://www.mdip.es
General description	The Master in Direction Integrated of Projects (DIP) is some qualifications interuniversity and this subject is imparted by the University of A Coruña. His teaching guide can be consult in: https://guiadocente.udc.You are/guia_docent/index.php?It center=670&ensenyament=670471&query=assignatures

Training and Learning Results

Code

Expected results from this subject

Expected results from this subject	Training and Learning Results

Contents

Topic	
Management of the Human Resources of the project	Schedule the management of the Human Resources Estimate the Human Resources of the Activities Purchase the team of project Develop the team of the project Direct the team of the project Control the team of project
Management of the communications of the project.	The communication Strategies of communication Management of the communications of the project Study of cases on communication
Project stakeholder management	Identification of Stakeholders Stakeholder Engagement Planning Managing Stakeholder Engagement Controlling Stakeholder Engagement

Planning

	Class hours	Hours outside the classroom	Total hours
Case studies	15	15	30
Mentored work	12	20	32
Lecturing	15	15	30
Debate	4	4	8

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Case studies	Analysis of a fact, problem or real event with the purpose to know it, interpret it, resolve it, generate hypothesis, contrast data, complete knowledges, diagnose it and train in alternative procedures of solution.

Mentored work	The/The student, of individual way or in group, elaborates a document on the thematic of the matter or prepares seminars, investigations, memories, essays, summaries of readings, conferences, etc.	
Lecturing	Exhibition by part of the professor of the contents on the matter object of study, theoretical bases and/or guidelines of a work, exercise that the/the student has to develop	
Debate	Communication not that two or more people think about one or several topics in which each one exposes their ideas and defends their opinions and interests.	

Personalized assistance

Methodologies	Description
Mentored work	The student will use the *tutorías to resolve the doubts that could him present in the development of the works posed.

Assessment

	Description	Qualification	Training and Learning Results
Case studies	Methodology where the subject confronts in front of the description of a specific situation that poses a problem that has to be comprised, valued and resolved by a group of people, through a process of discussion. The student situates in front of a concrete problem (case), that describes him a real situation of the professional life, and has to be able to analyse a series of facts, referents to a particular area of the knowledge or of the action, to arrive to a decision reasoned through a process of discussion in small groups of work.	40	
Mentored work	Methodologie Designed to promote the autonomous learning of the students, under the *tutela of the professor and in stages varied (academic and professionals). It is referred to the learning of the ?How do the things?. It constitutes an option based in the assumption by the students of the responsibility by his own learning	40	
Lecturing	Test type test two contents of the theoretical / maxistrais sessions	20	

Other comments on the Evaluation

a) In the 1st call or exam, 20% will be valued, or the work 40%, and the dossier of exercises/case studies carried out in class 40%. The deliveries must be made in due time and form to be validated.

b) If the subject is not passed at the first sitting, the competences not acquired will be assessed at the second sitting.

c) The official details of the exams can be consulted on the faculty's website.

Sources of information
Basic Bibliography
PMBok. Guía de fundamentos para la dirección de proyectos, 6, PMI, 2017
Complementary Bibliography
PMBok. Guia de los fundamentos para la Dirección de proyectos, 7, PMI, 2021

Recommendations
Subjects that continue the syllabus
Life Cycle and Project Standards/P02M163V01102

Subjects that are recommended to be taken simultaneously
DIP Conceptual Framework/P02M163V01101

Subjects that it is recommended to have taken before
Project Integration and Scope Management/P02M163V01103

IDENTIFYING DATA

Project Risk Management and Acquisitions

Subject	Project Risk Management and Acquisitions
Code	P02M163V01108
Study programme	Máster Universitario en Dirección Integrada de Proyectos

Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Mandatory	1st	An

Teaching language	Spanish
Department	
Coordinator	Cancela Carral, José María
Lecturers	Cancela Carral, José María Carreño Morales, Rafael María Cerqueiro Pequeño, Jorge
E-mail	chemacc@uvigo.es
Web	http://www.mdip.es
General description	Analysis of risks related to project development and procurement planning.

Training and Learning Results

Code	
B1	Capacity of analysis and synthesis.
B2	Capacity of Organisation and Planning
B4	Capacity of research, analysis and selection of notable information
B5	Capacity of utilisation and management of the information
B7	Orientation to the customer
B8	Capacity of communication and motivation
B9	Capacity for the resolution of problems
B10	Capacity for the taking of decisions
B15	Sensitivity to subjects of labour security, accessibility, sustainability and environment
C17	Capacity to schedule, execute and control the management of the risks of the project
C18	Capacity to schedule, execute and control the management of the acquisitions of the project.
C21	Capacity to manage the obtaining of the resulted chord to the criteria of term, cost and quality, and of the customer
D2	Dominate the expression and the understanding of oral form and written of a foreign language
D3	Value the importance that has the investigation, the innovation and the technological development in the socioeconomic and cultural advance of the society.
D4	Assume like professional and citizen the importance of the learning along the life.
D5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.
D6	Understand the importance of the culture enterprising and know the means near at hand of the people enterprise.
D7	Develop for the exercise of an open citizenship, literate, critical, committed, democratic and solidarity, able to analyse the reality, diagnose problems, formulate and implant solutions based in the knowledge and oriented to the very common.
D8	Use the basic tools of the technologies of the information and the communications (TIC) necessary for the exercise of his profession and for the learning along his life.

Expected results from this subject

Expected results from this subject	Training and Learning Results
Be able to identify and define risks in projects.	B1 B4 B9 C17 C18 C21 D4 D7 D8

Be able to identify and define the processes related with the management of risks.	B1 B2 B4 B9 B10 B15 C17 C18 C21 D2 D4 D7 D8
Be able to identify norms and regulations of the direction of project related with risks.	B1 B4 B5 B10 B15 C17 C18 C21 D2 D4 D6 D7
Be able to know the bases that support the management of *riscoss	B1 B8 B9 B10 C17 C18 C21 D2 D4 D6 D8
Be able to develop skills stop the adaptation to new situations and resolution of problems, and stop the autonomous learning.	B1 B7 B8 B9 C17 C18 C21 D3 D4 D5 D6

Contents

Topic	
(*)Tema 1. Introducción	(*) Introducción
Subject 1. Planning of the management of risks	The planning
(*)Tema 3. Identificación dos riscos	(*)Identificación
Subject 2. Qualitative analysis of the risks	Qualitative parameters
Subject 3. Quantitative analysis of the risks	Parameters
Subject 4.Planning of the answer to the risks	The answer
Subject 5. Tracking and control of the risks	Tracking and control
(*)Tema 8. Exerccicios e casos prácticos	(*)Supostos prácticos
Subject 6. Acquisitions	Antecedents
Subject 7.Planning of the Acquisitions.	The process
Subject 8. Planning of the Acquisitions	Planning
Subject 9. Execution of the Acquisitions	Execution
Subject 10. Techniques of negotiation	The negotiations
Subject 11. Administration of the Acquisitions	The acquisitions
Subject 12. Closing of the Acquisitions	Acquisitions

Planning

	Class hours	Hours outside the classroom	Total hours
Problem solving	10	20	30
Case studies	10	25	35
Lecturing	20	50	70
Objective questions exam	1	4	5
Problem and/or exercise solving	0	10	10

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Problem solving	Along the course will propose exercises that will owe to resolved of individual form by part of student.
Case studies	Along the course present situations problem that will be #analyze and studied by part of the students to propose solutions to the even.
Lecturing	Exhibition by part of the professor of the contained envelope to subject objet of study, theoretical bases and/or guidelines of the work, exercise or project to develop pole student.

Personalized assistance

Methodologies	Description
Problem solving	The student will receive attention individual in the time of tutor established it such end during it present academic course. Stop the query of the his schedule of tutor and place of the same will owe to consult the web of the master: www.mdip.es

Assessment

	Description	Qualification	Training and Learning Results	
Objective questions exam	It features of 20 questions and only answer envelope all the contents imparted in the *asignatura.	30	B2 B5 B10	D5
Problem and/or exercise solving	Exercises of management of risks and acquisitions.	70	B2 B15	D4

Other comments on the Evaluation

Sources of information
Basic Bibliography
Complementary Bibliography

Recommendations
Subjects that continue the syllabus

Economic Environment and Procedures. Project Start/P02M163V01109

Subjects that it is recommended to have taken before

RR management. H H. of the Project, Communications and Stakeholder Management/P02M163V01107

Economic Environment and Procedures. Project Start

Subject	Economic Environment and Procedures. Project Start
Code	P02M163V01109
Study programme	Máster Universitario en Dirección Integrada de Proyectos

Descriptors	ECTS Credits	Choose	Year	Quadmester
	5	Optional	1st	An

Teaching language	Spanish
Department	
Coordinator	Serrano Gómez, Virginia
Lecturers	Fabeiro Agraso, David Gambau I Pinasa, Vicente Sánchez Santos, José Manuel Serrano Gómez, Virginia
E-mail	vserrano@uvigo.es
Web	http://www.mdip.es
General description	Introduction to the direction and management of a project in the field of leisure and sports. The Master in Integrated Project Management (DIP) is an inter-university degree and this subject in the specialty of Building and territorial development is taught by the University of A Coruña. Its teaching guide can be consulted at: https://guiadocente.udc.es/guia_docent/index.php?centre=670&ensenyament=670471&consulta=assignatures

Training and Learning Results

Code	
A1	Possess and comprise knowledges that contribute a base or opportunity to be original in the development and/or application of ideas, often in a context of investigation.
A2	That the students know to apply the knowledges purchased and his capacity of resolution of problems in new surroundings or little known inside contexts wider (or multidisciplinary) related with his area of study.
B1	Capacity of analysis and synthesis.
B2	Capacity of Organisation and Planning
B4	Capacity of research, analysis and selection of notable information
B13	Capacity of leadership, dialogue and negotiation
C1	Know act like representatives of the promoter of the project in all the fields of performance of the Director of Project or Project Manager.
C20	Capacity to apply the knowledges purchased to the professional field in which it develops his activity the Project Manager.
C22	Habits of excellence and ethical commitment in the professional exercise of the Project Manager.
D5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.

Expected results from this subject

Expected results from this subject	Training and Learning Results
Be able to comprise the structure of integration inside a project.	A1 B1 B2 C20 C22 D5
Be able to comprise the surroundings of the project.	A1 B2 B4 C1 D5

Be able to identify norms and regulations of the direction of projects.	A1 B2 B4 C20 C22 D5
Be able to know the foundations that *sustentan the integrated direction of projects.	A1 B1 B4 B13 C20 C22 D5
Be able to develop skills for the adaptation to new situations and resolution of problems, and for the autonomous learning.	A1 A2 B2 B4 C22 D5

Contents

Topic	
Subject I.Introduction to the direction and management of sportive projects.	The direction and management of the sportive projects
Subject II.The sportive projects: typology and classification of the projects in the sportive organisations.	Typology and classification of the sportive projects
Subject III.The different methodologies in the direction of projects	The different methodological
Subject IV.The processes of START in the sportive projects	The processes of start in the sportive projects
Subject V.la planning of the sportive project: the elements of the project.	The planning in the sportive projects

Planning

	Class hours	Hours outside the classroom	Total hours
Problem solving	10	19	29
Case studies	10	20	30
Lecturing	10	30	40
Essay	0	15	15
Objective questions exam	1	10	11

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Problem solving	Throughout the course exercises to be resolved individually by the student will be proposed.
Case studies	Throughout the course problem situations to be analyzed and studied by the students to propose solutions to it are presented.
Lecturing	Presentation by the teacher of the contents on the object field of study, theoretical and / or guidelines of work, exercise or project to be developed by the student.

Personalized assistance

Methodologies	Description
Case studies	The student will receive individual attention in tutoring schedule established for this purpose during the current academic year. To read your tutoring schedule and place thereof should consult the web master: www.mdip.es.

Assessment

	Description	Qualification	Training and Learning Results
Problem solving	Resolution of exercises proposed in class	40	
Essay	Development work and exercises given by the teacher.	30	
Objective questions examQuestions test only answer.		30	

Other comments on the Evaluation

a) In the 1st call or exam, 30% will be assessed, or the work 30%, and the dossier of exercises/practical cases carried out in class 40%. As deliveries must be made in time and form to be validated.

b) If the subject is not passed at the first sitting, the competences not acquired will be assessed at the second sitting.

c) The official details of the exams can be consulted on the Faculty's website.

Sources of information
Basic Bibliography
Complementary Bibliography

Recommendations
Subjects that continue the syllabus

Headquarters and Execution Management/P02M163V01110

Subjects that it is recommended to have taken before

Project Risk Management and Acquisitions/P02M163V01108

IDENTIFYING DATA

Headquarters and Execution Management

Subject	Headquarters and Execution Management
Code	P02M163V01110
Study programme	Máster Universitario en Dirección Integrada de Proyectos

Descriptors	ECTS Credits		Choose	Year	Quadmester
	3		Optional	1st	An

Teaching language	Spanish
Department	
Coordinator	Cancela Carral, José María
Lecturers	Cancela Carral, José María
E-mail	chemacc@uvigo.es
Web	http://www.mdip.es
General description	The Master in Integrated Project Management (DIP) is an inter-university degree and this subject is taught by the University of A Coruña. Its teaching guide can be consulted at: https://guiadocente.udc.es/guia_docent/index.php?centre=670&ensenyament=670471&consulta=assignatures

Training and Learning Results

Code	
A2	That the students know to apply the knowledges purchased and his capacity of resolution of problems in new surroundings or little known inside contexts wider (or multidisciplinary) related with his area of study.
A4	That the students know to communicate his conclusions, and the knowledges and reasons last that the maintain, to skilled publics and no specialised of a clear way and without ambiguities.
B1	Capacity of analysis and synthesis.
B2	Capacity of Organisation and Planning
C8	Capacity of organisation and planning the different phases of a project.
C19	Capacity for the editorial of the project as well as for his communication of form convincing, clear, concise and without ambiguities
C22	Habits of excellence and ethical commitment in the professional exercise of the Project Manager.
D5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.

Expected results from this subject

Expected results from this subject	Training and Learning Results
New	A2 B1 B2 C8 C22 D5
New	A2 B1 B2 C19 D5
New	A2 B1 B2 C8 C22 D5
New	A4 B1 B2 C8 C19 D5

Contents

Topic	
(*)Tema 1. A execución do proxecto	(*)Que é?
(*)Tema 2. Características da execución do proxecto.	(*)Criterios a ter en conta.
(*)Tema 3. O grupo de procesos de execución	(*)As súas características e *particularieades
(*)Tema 4. O director de proxecto.	(*)Funcións e competencias
(*)Tema 5. O equipo de traballo.	(*)A comunicación, funcións e competencias
(*)Tema 6. O traballo en equipo	(*)coordinación

Planning

	Class hours	Hours outside the classroom	Total hours
Lecturing	10	10	20
Autonomous problem solving	4	4	8
Problem solving	10	8	18
Presentation	6	2	8
Debate	5	0	5
Problem and/or exercise solving	10	0	10
Objective questions exam	1	5	6

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Lecturing	(*)Exposición por parte do profesor dos contidos sobre a materia objeto de estudo, bases teóricas e/ou directrices do traballo, exercicio ou proxecto a desenvolver polo estudante.
Autonomous problem solving	(*)Ao longo do curso propoñeranse exercicios que deberán resolverse de forma individual por parte de alumno.
Problem solving	(*)Ao longo do curso propoñeranse exercicios que deberán resolverse de forma colectiva por parte dos alumnos.
Presentation	(*)Exposición e defensa dos trabamos realizados e debate sobre os mesmos
Debate	(*)Debate sobre un tema definido polo docente no cal os alumnos deben defender diferentes posturas.

Personalized assistance

Methodologies	Description
Autonomous problem solving	
Presentation	

Assessment

	Description	Qualification	Training and Learning Results	
Problem and/or exercise solving	(*)Exercicios de dirección: Exercicios de traballo en equipo Exercicios de procesos de execución Exercicios do deseño do *minutaje dun proxecto.	30		
Objective questions exam	(*)Consta de 20 preguntas e resposta única sobre todos os contidos impartidos na materia.	70	A2 A4	C8 C19

Other comments on the Evaluation

Sources of information
Basic Bibliography
Complementary Bibliography

Recommendations

IDENTIFYING DATA

Seguimiento y Control. Manuales de procedimiento

Subject	Seguimiento y Control. Manuales de procedimiento
Code	P02M163V01111
Study programme	Máster Universitario en Dirección Integrada de Proyectos

Descriptors	ECTS Credits	Choose	Year	Quadmester
	3	Optional	1st	An

Teaching language	
Department	
Coordinator	Cancela Carral, José María
Lecturers	Cancela Carral, José María
E-mail	chemacc@uvigo.es
Web	http://www.mdip.es
General description	The Master in Integrated Project Management (DIP) is an inter-university degree and this subject is taught by the University of A Coruña. Its teaching guide can be consulted at: https://guiadocente.udc.es/guia_docent/index.php?centre=670&ensenyament=670471&consulta=assignatures

Training and Learning Results

Code

Expected results from this subject

Expected results from this subject	Training and Learning Results

Contents

Topic

Planning

	Class hours	Hours outside the classroom	Total hours

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description

Personalized assistance

Assessment

Description	Qualification	Training and Learning Results

Other comments on the Evaluation

Sources of information

Basic Bibliography

Complementary Bibliography

Recommendations

Project Monitoring, Control, and Closure

Subject	Project Monitoring, Control, and Closure
Code	P02M163V01112
Study programme	Máster Universitario en Dirección Integrada de Proyectos

Descriptors	ECTS Credits	Choose	Year	Quadmester
	3	Optional	1st	An

Teaching language	Spanish
Department	
Coordinator	García García, Óscar
Lecturers	García García, Óscar Pastoriza Agulla, José Benito
E-mail	oscargarcia@uvigo.es
Web	http://www.mdip.es
General description	Analysis and study of the different phases in the execution of a sportive project

Training and Learning Results

Code	
A2	That the students know to apply the knowledges purchased and his capacity of resolution of problems in new surroundings or little known inside contexts wider (or multidisciplinary) related with his area of study.
A4	That the students know to communicate his conclusions, and the knowledges and reasons last that the maintain, to skilled publics and no specialised of a clear way and without ambiguities.
B6	Orientation to results
B7	Orientation to the customer
B8	Capacity of communication and motivation
B9	Capacity for the resolution of problems
B10	Capacity for the taking of decisions
B13	Capacity of leadership, dialogue and negotiation
C1	Know act like representatives of the promoter of the project in all the fields of performance of the Director of Project or Project Manager.
C3	Know initiate, schedule, direct, control and close Projects of Leisure and Sport in the speciality of Leisure and sport
C22	Habits of excellence and ethical commitment in the professional exercise of the Project Manager.
D5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.
D6	Understand the importance of the culture enterprising and know the means near at hand of the people enterprise.
D8	Use the basic tools of the technologies of the information and the communications (TIC) necessary for the exercise of his profession and for the learning along his life.

Expected results from this subject

Expected results from this subject	Training and Learning Results
The student will be able to define and comprise the processes of execution and identify the characteristics of the execution of the project.	A2 C1 C3 C22 D5 D6

The student will be able to identify the responsibility and qualities of the director of the project, as well as to develop and use the resources of the director during the execution of the project	A2 B6 B7 B8 B9 B10 B13 C1 C3 C22 D5 D6 D8
The student will be able to carry out the group of processes of execution of a project.	A2 A4 C3 D5 D6 D8
Develop skills for the adaptation to new situations and resolution of problems, and for the autonomous learning.	A2 B8 B9 B10 B13 C3 C22

Contents

Topic	
Subject I. That it is to execute a project	Definitions of execution of a project
Subject II. Characteristics of the execution of the project.	Common characteristics to projects of different nature in leisure and Characteristic sport of projects of leisure and sport of similar nature
Subject III. The best practices during the execution of a project	Identify the best practices in predictive models (PMBok,and ISO 21502) The execution in the agile projects
Subject IV. The director of project.	Profile of the director of the project Work of the director of project Qualities of the director of project Resources of the director of project
Subject V. The team of work.	Preparation of the team of work usual Problems of the select the team of work
Subject VI. The work in team.	Advantages of the work in team Process of development of the work in team: interacting usual problems of the work in team
Subject VII. Practical case:	Execution of the organisation of a sportive event. Candidature, organisation chart, cronogram, diagram, and minute by minute.

Planning

	Class hours	Hours outside the classroom	Total hours
Presentation	8	2	10
Problem solving	3	6	9
Case studies	3	8	11
Debate	2	5	7
Flipped Learning	2	10	12
Lecturing	6	4	10
Problem and/or exercise solving	0	5	5
Objective questions exam	1	5	6
Essay	0	5	5

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Presentation	Put in common and debate by part of the students and professor of the works realised following the guidelines of the educational.

Problem solving	Along the course will propose exercises that will have to resolve of individual form by part of student.
Case studies	Along the course present situations problem that will be analysed and studied by part of the students to propose solutions to the same.
Debate	Debate on a clear-cut subject by the educational in which the students have to defend different postures.
Flipped Learning	The student will receive through the platform of teledocencia Moovi documentation so that it can work on her and later can pose to the professor doubt or problems of learning related with these contents
Lecturing	Exhibition by part of the professor of the contents on the matter objective of study, theoretical bases and/or guidelines of the work, exercise or project to develop by the student.

Personalized assistance

Methodologies	Description
Lecturing	The student will receive personalized attention at the time designated for it in each academic year. Agreed tutorials will also be established to monitor and control their activity within the subject. The tutorials of this subject will be attended by face-to-face or virtual modality, either through the virtual offices of the professors (1006, prof. Dr. Oscar García García), or by email or through the forums of the Moovi tele-teaching platform
Presentation	The student will receive personalized attention at the time designated for it in each academic year. Agreed tutorials will also be established to monitor and control their activity within the subject. The tutorials of this subject will be attended by face-to-face or virtual modality, either through the virtual offices of the professors (1006, prof. Dr. Oscar García García), or by email or through the forums of the Moovi tele-teaching platform
Problem solving	The student will receive personalized attention at the time designated for it in each academic year. Agreed tutorials will also be established to monitor and control their activity within the subject. The tutorials of this subject will be attended by face-to-face or virtual modality, either through the virtual offices of the professors (1006, prof. Dr. Oscar García García), or by email or through the forums of the Moovi tele-teaching platform

Assessment

	Description	Qualification	Training and Learning Results		
Problem and/or exercise solving	Exercises of the director Exercises of work in team Exercises of processes of execution Exercises of the design of the minute by minute of a project.	30	A2 A4	B8 B9 B13		D8
Objective questions exam	It consists of 20 questions and only answer on all the contents given in the subject.	40		B6 B7 B10	C1 C3 C22	D5 D6
Essay	The student will make a work of development on the best practices in the execution of a project	30	A2 A4	B8 B9 B13		D8

Other comments on the Evaluation

It is necessary to surpass all the proofs to obtain a positive final qualification in the subject. In case of not having surpassed the subject in the first announcement, the no purchased competitions will be evaluated in the announcement of July of the same form, with both proofs. The official dates of the examinations can consult in the web of the Máster www.mdip.es

Sources of information

Basic Bibliography

AENOR, **Norma española UNE-ISO 21502:2020. Gestión del proyecto, programa y portafolio: Guía para la gestión del proyecto**, Asociación Española de Normalización y Certificaci, 2020

Project Management Institute, **Guide to the Project Management Body of Knowledge (PMBOK® Guide).**, 6, Project Management Institute, 2017

Nokes, S., Greenwood, A., Major, I. & Goodman, M., **La guía definitiva de la gestión de proyectos. La vía rápida de todo ejecutivo para cumplir a tiempo y dentro del presupuesto**, 1, Prentice Hall, 2007

Biafore, B. y Stover, T, **Gestión de proyectos en el mundo real**, 1, Anaya, 2012

Complementary Bibliography

Project Management Institute, **Guía de los Fundamentos para la Dirección de Proyectos (Guía PMBOK®)**, 7, Project Management Institute, 2021

HARVARD BUSINESS REVIEW, **GUÍAS HBR: GESTIÓN DE PROYECTOS**, 1, REVERTE MANAGAMENT, 2017

Tudor, D.J., **Agile Project and Service Management: Delivering IT Services Using ITIL, PRINCE2 and DSDM Atern**, 1, The Stationery Office, 2010

Recommendations
Subjects that continue the syllabus
Project Monitoring, Control and Closure/P02M163V01113

Subjects that it is recommended to have taken before

Life Cycle and Project Standards/P02M163V01102

Economic Environment and Procedures. Project Start/P02M163V01109

Project Quality Management/P02M163V01106

Project Integration and Scope Management/P02M163V01103

Project Cost Management/P02M163V01105

Project Risk Management and Acquisitions/P02M163V01108

RR management. H H. of the Project, Communications and Stakeholder Management/P02M163V01107

Project Time Management/P02M163V01104

DIP Conceptual Framework/P02M163V01101

IDENTIFYING DATA

Project Monitoring, Control and Closure

Subject	Project Monitoring, Control and Closure
Code	P02M163V01113
Study programme	Máster Universitario en Dirección Integrada de Proyectos

Descriptors	ECTS Credits	Choose	Year	Quadmester
	3	Optional	1st	An

Teaching language	Spanish
Department	
Coordinator	Serrano Gómez, Virginia
Lecturers	Mandado Vázquez, Alfonso Murua Gonzalez, Juan Manuel Serrano Gómez, Virginia
E-mail	vserrano@uvigo.es
Web	http://www.mdip.es
General description	Analysis of the steps to follow in the monitoring and control of a project

Training and Learning Results

Code	
A4	That the students know to communicate his conclusions, and the knowledges and reasons last that the maintain, to skilled publics and no specialised of a clear way and without ambiguities.
B1	Capacity of analysis and synthesis.
B2	Capacity of Organisation and Planning
B13	Capacity of leadership, dialogue and negotiation
C8	Capacity of organisation and planning the different phases of a project.
C20	Capacity to apply the knowledges purchased to the professional field in which it develops his activity the Project Manager.
C21	Capacity to manage the obtaining of the resulted chord to the criteria of term, cost and quality, and of the customer
C22	Habits of excellence and ethical commitment in the professional exercise of the Project Manager.
D5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.
D8	Use the basic tools of the technologies of the information and the communications (TIC) necessary for the exercise of his profession and for the learning along his life.

Expected results from this subject

Expected results from this subject	Training and Learning Results
Be able to develop skills of leadership, interpersonal relation and work in team	A4 B13 C22 D5 D8
Be able to comprise the structure of work of team like fundamental part of the integrated direction of projects.	B1 B2 C8 C20 D5
Be able to comprise the plan of control and follow-up of the project	A4 B1 B2 C8 C20 D5

Be able to define, comprise and identify the processes of follow-up and control of the project.	B1 B2 B13 C8 C20 D5
Be able to define, comprise and identify the processes of closing of the project	A4 B1 B2 C8 C21 D5
Be able to develop and use the means like director of the project for the control and follow-up of the project	B1 B2 B13 C8 C20 C21 D5
Be able to develop skills for the adaptation to new situations and resolution of problems, and for the autonomous learning.	B1 B2 B13 C8 C20 C21 D5
Be able to develop tools of follow-up and control.	B1 B2 C8 C20 C22 D5

Contents

Topic	
Subject I. The plan of control and follow-up of the project	*Contextualización Where situate the projects Interaction of the processes
Subject II. Means of the director of project for the control and follow-up of the project	Plan of follow-up and Half control for the follow-up and control
Subject Iii.el group of processes of follow-up and control of the project.	Processes of follow-up and control
Subject IV. The group of processes of closing of the project	The closing of the project
Subject V. Tool of follow-up and control	The Tools

Planning

	Class hours	Hours outside the classroom	Total hours
Lecturing	20	0	20
Problem solving	20	4	24
Case studies	15	5	20
Mentored work	10	0	10
Objective questions exam	1	0	1

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Lecturing	Exhibition by part of the professor of the contents on the matter object of study, theoretical bases and/or guidelines of a work, exercise or project to develop by the student.
Problem solving	Activity in which they formulate problem and/or exercises related with the *asignatura. The student has to develop the suitable or correct solutions by means of the *ejercitación of routines, the application of formulas or algorithms, the application of procedures of transformation of the available information and the interpretation of the results. It is used to use as I complement of the lesson *magistral.

Case studies	Analysis of a fact, problem or real event with the purpose to know it, interpret it, resolve it, generate hypothesis, contrast data, *reflexionar, complete knowledges, diagnose it and train in alternative procedures of solution.
Mentored work	(*)Desarrollo de un trabajo propuesto por el profesor, relacionado con los contenidos.

Personalized assistance

Methodologies	Description
Problem solving	THE student will receive attention *individualizada in the schedule of *tutorías established to such end during the present academic course. For the query of his schedule of *tutorías and place of the same *deberase consult to web *do *máster: www.mdip.es. Besides it will be able to realise queries via email.

Assessment

	Description	Qualification	Training and Learning Results
Problem solving	Activity in which they formulate problem and/the exercises related with wool *asignatura. He student has to develop the suitable solutions the correct by means of wool *ejercitación of routines, the application of formulas the algorithms, the application of procedures of transformation of wool available information and wool interpretation of the results. It is used to use as I complement of wool lesson *magistral.	40	
Mentored work	The student prepares a document on the topic previously agreed with the professor.	30	
Objective questions exam	Examination type test where will evaluate the contents given	30	

Other comments on the Evaluation

a) In the 1st call or exam, 30% will be valued, or work 30%, and the dossier of exercises/practical cases carried out in class by 40%. The deliveries must be made on time and in order to be validated.

b) In case of not passing the subject in the first call, the skills not acquired will be evaluated in the 2nd call.

c) The official data of the exams can be consulted on the web page of the faculty.The data of the two exams can be consulted on the Master's website www.mdip.es

Sources of information

Basic Bibliography

Project Management Institute, **A Guide to the Project Management Body of Knowledge (PMBOK® Guide)**, 7, Project Management Institute, 2021

Complementary Bibliography

AENOR, **Norma española UNE-ISO 21500:2013. Directrices para la gestión y dirección de proyectos, Asociación Española de Normalización y Certificación**, AENOR, 2013

Añó Sanz, V., **Organización de eventos deportivos y competiciones deportivas**, Universitat de Valencia, 2011

Desbordes, M. & Falgoux, J., **Gestión y organización de un evento deportivo**, Inde, 2006

FEMP, **Buenas prácticas en instalaciones deportivas**, FEMP, (2009)

García García, O. y Serrano Gómez, V.,, **El ciclo de vida del proyecto. Del proyecto al producto**, Master Oficial Interuniversitario en dirección int, 2009

Guerra Peña, L., Coronel Granado, A.J., Martínez de Irujo García, L., Llorente Simón, A., **Gestión integral de proyectos**, Fundación Confemetal, 2002

Nokes y Greenwood, **)La guía definitiva de la gestión de proyectos : la vía rápida de todo ejecutivo para cumplir a tiempo y dentro del presupuesto**, Prentice Hall, 2006

Recommendations

Subjects that continue the syllabus

Information Systems Needs and Technologies/P02M163V01114

Subjects that it is recommended to have taken before

Project Monitoring, Control, and Closure/P02M163V01112

IDENTIFYING DATA

Information Systems Needs and Technologies

Subject	Information Systems Needs and Technologies
Code	P02M163V01114
Study programme	Máster Universitario en Dirección Integrada de Proyectos

Descriptors	ECTS Credits	Choose	Year	Quadmester
	5	Optional	1st	An

Teaching language	Spanish
Department	
Coordinator	Cancela Carral, José María
Lecturers	Cancela Carral, José María Núñez Ortuño, José María
E-mail	chemacc@uvigo.es
Web	http://www.mdip.es
General description	This subject, oriented to students that go to make his activity in the computer sector and/or in the field of the TIC, will qualify them to analyse and identify a technological project in the business field, from all the points of seen disciplined, contemplating the systems of information, data and technologies that need integrate in a company and, in definite, will help them to manage and direct projects of systems of information.

Training and Learning Results

Code	
A2	That the students know to apply the knowledges purchased and his capacity of resolution of problems in new surroundings or little known inside contexts wider (or multidisciplinary) related with his area of study.
B1	Capacity of analysis and synthesis.
B2	Capacity of Organisation and Planning
C4	Know initiate, schedule, direct, control and close Projects of Systems of Information in the speciality of Systems of Information
C19	Capacity for the editorial of the project as well as for his communication of form convincing, clear, concise and without ambiguities
C20	Capacity to apply the knowledges purchased to the professional field in which it develops his activity the Project Manager.
C21	Capacity to manage the obtaining of the resulted chord to the criteria of term, cost and quality, and of the customer
C22	Habits of excellence and ethical commitment in the professional exercise of the Project Manager.
D5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.
D8	Use the basic tools of the technologies of the information and the communications (TIC) necessary for the exercise of his profession and for the learning along his life.

Expected results from this subject

Expected results from this subject	Training and Learning Results
Be able to identify the data and technologies that need integrate in a system of information so that it offer interfaces for all the appearances of information required.	A2 B1 B2 C4 C19 C20 C21 C22 D5 D8

Contents

Topic	
Subject 1. The business world and his information	Aims of a company Areas of activity of a company Structure and organisational designs Information systems in the company

Subject 2. Information Systems	Information Systems (IS) definition
	Components of an IS
	Classification of IS
	Principles in the development of an IS
	The cycle of life of an IS
Subject 3. Strategic planning of IS	Concepts
	Process of strategic planning of IS
	Phase 1. Understanding of the strategy of business
	Phase 2. Analysis of the actual IS
	Phase 3. Formulation of the strategy
	Phase 4. Plan of implantation
Subject 4. Architecture, communications and development of systems	Introduction
	Modularity: concepts
	Software architecture
	Architectural principles
	Databases
	Communications and networks
Subject 5. Applications of management of the company	Introduction
	Enterprise Resource Planning (ERP)
	Customers Relations Management (CRM)
	Supply Chain Management (SCM)
Subject 6. Applications of analysis	Introduction
	Business Intelligence: BI
	Architecture of a BI
	Business Process Management: BPM
	Systems for taking decisions: DSS
Subject 7. Applications for the management of incidences	SLA Politics
	Architecture of ticketing tools
	Ticketing tools
Subject 8. Tendencies of internet and mobility	Web and social networks (Web2.0)
	Web 3.0
	Mobile Advances: NFC, IoT, BigData, BYOD, RPA, etc.
Subject 9. Tendencies in Cloud services	Big Data
	Cloud computing
	Virtualization
Subject 10. Tendencies in the digital marketing and e-commerce	E-Business
	Digital Marketing
	Social Gaming Marketing

Planning

	Class hours	Hours outside the classroom	Total hours
Lecturing	30	0	30
Problem solving	27	0	27
Case studies	24	0	24
Mentored work	12	0	12
Problem and/or exercise solving	30	0	30
Problem and/or exercise solving	2	0	2

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Lecturing	Exhibition by part of the professor of the contents on the matter of study, theoretical bases and/or guidelines of the work, exercise or project to develop by the student.
Problem solving	They will propose exercises that will have to resolve of individual form by part of the student.
Case studies	They present situations-problem that will be analysed and studied by the students to propose solutions to the case.
Mentored work	Individual or grouped works mentored by the professor.

Personalized assistance

Tests	Description
Problem and/or exercise solving	The student will receive individualized attention in the tutoring schedule established for this purpose during the current academic year. To consult the tutoring schedule and the place where the tutoring will take place, please consult the Master's website: www.mdip.es

Assessment

	Description	Qualification	Training and Learning Results			
Case studies	Face-to-face and on-line modality: study of cases proposed by the professor with the delivery of the answers posed or a possible solution of said case by part of the student	40	A2	B1 B2	C4 C19 C21	D5 D8
Mentored work	Face-to-face and on-line modality: preparation, of form guided, of a practical case proposed by the student	20	A2	B1 B2	C4 C19 C20 C21 C22	D5 D8
Problem and/or exercise solving	Face-to-face and on-line modality: short questions on the contents of the matter	40		B1 B2	C20 C21	D5

Other comments on the Evaluation

To be able to surpass the subject, the mentored work will be of compulsory realisation by part of all the students.

Sources of information

Basic Bibliography

Complementary Bibliography

Steven Alter, **Information Systems**, 4ª Edición, Prentice Hall Editions, 2002

Anita Cassidy, **A Practical Guide to Information Systems Strategic Planning**, 2ª Edición, Auerbach Publications, 2005

Effy Oz, **Administración de los sistemas de información**, 5ª Edición, Cengage Learning Editores, S.A., 2008

Vicenç Fernández Alarcón, **Desarrollo de sistemas de información: Una metodología basada en el modelado**, 1ª Edición, Edicions de la Universitat Politècnica de Cataluny, 2006

James D. McKeen; Heather A. Smith, **IT Strategy: Issues and Practices**, 3ª Edición, Pearson Education Limited, 2015

Tomás Guillén Gorbe, **Las TIC en la estrategia empresarial**, 1ª Edición, Anetcom, 2007

James A. O□Brien; George M. Marakas, **Sistemas de información gerencial**, 7ª Edición, McGRAW-HILL/INTERAMERICANA EDITORES, S.A. DE C.V., 2006

Kenneth C. Laudon; Jane P. Laudon, **Sistemas de información gerencial**, 14ª Edición, PEARSON EDUCACIÓN, México,, 2016

Sandra Sieber; Josep Valor; Valentín Porta, **Los Sistemas De Información En La Empresa Actual**, 1ª Edición, McGraw-Hill, 2006

Recommendations

Subjects that continue the syllabus

Standards for ICT Project Management/P02M163V01116

Management of an ICT Projects/P02M163V01115

IDENTIFYING DATA

Management of an ICT Projects

Subject	Management of an ICT Projects
Code	P02M163V01115
Study programme	Máster Universitario en Dirección Integrada de Proyectos

Descriptors	ECTS Credits	Choose	Year	Quadmester
	3	Optional	1st	An

Teaching language	Spanish
Department	
Coordinator	Álvarez Bermúdez, Xana
Lecturers	Álvarez Bermúdez, Xana Expósito López, Iván
E-mail	xaalvarez@uvigo.es
Web	http://www.mdip.es
General description	Analise Of the management of the projects Tic/Inxeniería in the ambito public and personal.

Training and Learning Results

Code	
A2	That the students know to apply the knowledges purchased and his capacity of resolution of problems in new surroundings or little known inside contexts wider (or multidisciplinary) related with his area of study.
B1	Capacity of analysis and synthesis.
B2	Capacity of Organisation and Planning
B4	Capacity of research, analysis and selection of notable information
C20	Capacity to apply the knowledges purchased to the professional field in which it develops his activity the Project Manager.
D5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.

Expected results from this subject

Expected results from this subject	Training and Learning Results
Be able to identify and define a project.	A2 B1 B2 C20 D5
Be able to identify and define the processes of a project.	A2 B1 B2 B4 D5
Be able to comprise the structure of integration inside a project	A2 B1 B2 B4 D5
Be able to comprise the surroundings of the project.	B1 B2 B4 D5
Be able to develop skills for the adaptation to new situations and resolution of problems, and for the autonomous learning.	A2 B2 B4 C20 D5

Contents

Topic

Subject 1. MANAGEMENT OF PROJECTS TIC IN ENGINEERING OF The SOFTWARE	T1.1. Software: definition, history and problems T1.2. Crisis of the software T1.3. Engineering of the software T1.4. Predictive Management T1.5. Agile manifest T1.4. Management of projects TIC
Subject 2. SCRUM	T2.1. Scrum: History and characteristic T2.2. Practices in Scrum T2.2.1. Component and flow of work in Scrum T2.3. Principles and values of Scrum T2.2.2. Artifacts T2.2.3. Roles T2.2.4. Events T2.2.5. Agile measurement and estimation T2.3. Principles and values of Scrum
Subject 3. KANBAN And OTHER PRACTICES OF FLEXIBILIZATION SCRUM	T3.1. Graphic burn down T3.2. Graphic burn up T3.3. Estimate in the wall T3.6. Techniques to proof of errors T3.5. Work in couple T3.4. Estimate of poker T3.7. Diagram For retrospective (blackhead and tree) T3.8. Kanban

Planning

	Class hours	Hours outside the classroom	Total hours
Lecturing	10	0	10
Autonomous problem solving	5	5	10
Case studies	15	0	15
Practices through ICT	13	15	28
Problem and/or exercise solving	2	0	2
Objective questions exam	5	5	10

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Lecturing	Exhibition by part of the professor of the contained envelope to subject object of study, theoretical bases and/or guidelines of the work, exercise or project to develop pole student. The course will be taught through master class sessions whose dates and times are marked in the official calendar of the master's degree. The classes will take place simultaneously - in person - at the Pontevedra and A Coruña campuses and - online - through the UVigo remote campus. During these sessions there will be a presentation and explanation of the contents. In addition, in the topics that allow it, practical exercises will be interspersed to help assimilate the concepts of each topic. All material (presentations, tests, resources, etc.) will be made available to students on the UDC Virtual Campus as it is used. Recordings of class sessions will also be linked on this platform (please keep in mind for privacy purposes).
Autonomous problem solving	Along the course will propose exercises that will owe to resolved of individual form by part of student.
Case studies	Along the course present situations problem that will be #analyze and studied by part of the students to propose solutions to the even. Sessions will be interrupted at any time to raise doubts, comments on the application of the concepts to professional environments or discuss any practical experience related to the subject. At the end of each topic there will do review tests with a similar format as the final exams.
Practices through ICT	Available material (audiovisual, documents, dossier, etc.) for online modality. Some activities, forums of debate and concrete exercises will be proposed.

Personalized assistance

Methodologies	Description

Lecturing	All students will have access to individual tutorials arranged with the teacher throughout the master's calendar. There will not be a fixed schedule or contact channel for them, but we will try to be as flexible as possible in each case, as long as they are previously requested via email or private message on the Virtual Campus of the UDC.
Case studies	All students will have access to individual tutorials arranged with the teacher throughout the master's calendar. There will not be a fixed schedule or contact channel for them, but we will try to be as flexible as possible in each case, as long as they are previously requested via email or private message on the Virtual Campus of the UDC.

Tests	Description
Problem and/or exercise solving	All students will have access to individual tutorials arranged with the teacher throughout the master's calendar. There will not be a fixed schedule or contact channel for them, but we will try to be as flexible as possible in each case, as long as they are previously requested via email or private message on the Virtual Campus of the UDC.

Assessment

	Description	Qualification	Training and Learning Results		
Problem and/or exercise solving	Modality *presencial: Participation debate us and resolution of exercises/practical cases proposed in kind. Modality **online: Development of a supposed practical.	25	A2	B2 B4	C20
Objective questions exam	Modality *presencial and **online: Examinations of the distinct modules of the subject.	75			

Other comments on the Evaluation

The grading of the course will be based on **individual exams for each of the topics** covered.

The **weight of the exams** in the final grade will be distributed as follows:

Topics 1 and 3 will each have a weight of 25% in the final grade.

Topic 2 (Scrum) will always have a weight of 50% in the final grade.

The following **pass criteria** should also be taken into account:

Exams 1 and 3 will contribute to the final grade regardless of whether they are passed or not.

It is established as a necessary requirement to pass the subject to have passed topic 2 (Scrum).

Each exam will be considered passed if a grade of 6 or higher is achieved.

All exams will be composed of short questions (single-choice, multiple-choice or true/false) and wrong questions will not penalize the grade.

The use of documentation or notes during the exams is allowed but a time limit will be established for each exam (at the rate of one and a half minutes for each question).

All exams will be conducted through the Virtual Campus of the UDC and, on each convocation date, will be accessible from 16:00 to 21:00.

In order to make the study of the subject more flexible and to be able to combine the master's degree with the work and personal life of each student, the exams of the course will be available one week after the end of the classes (in an additional exam session prior to the official calendar date). In other words, this course will have three exam dates.

In the case of not taking or not passing any of these exams, the student will be able to retake the exams without any penalty on the date of the official calendar of the master's degree. In this case, it will only be necessary to take the exams of the failed or failed subjects.

Sources of information

Basic Bibliography

Complementary Bibliography

Recommendations

Other comments

In order to unify and facilitate communication during the sessions, regardless of the physical location of the students, a single videoconferencing platform will always be used as the main tool (Remote Campus, Teams, etc.) for all groups. The platform to be used will be announced before the start of the sessions.

Such devices will also be necessary to perform some practical exercises using platforms and tools that are only accessible through the Internet.

In the event that any tool requires prior registration, you will be notified in advance at the beginning of the session.

Standards for ICT Project Management

Subject	Standards for ICT Project Management
Code	P02M163V01116
Study programme	Máster Universitario en Dirección Integrada de Proyectos

Descriptors	ECTS Credits	Choose	Year	Quadmester
	3	Optional	1st	An

Teaching language	Spanish
Department	
Coordinator	Lorenzo Mateo, Jaime Alberto
Lecturers	Carreño Morales, Rafael María Fernández Couto Gómez, Carlos Lorenzo Mateo, Jaime Alberto
E-mail	jaimelorenzo@uvigo.es
Web	http://www.mdip.es
General description	(*)Analise da enxenería de Software.

Training and Learning Results

Code	
A2	That the students know to apply the knowledges purchased and his capacity of resolution of problems in new surroundings or little known inside contexts wider (or multidisciplinary) related with his area of study.
A4	That the students know to communicate his conclusions, and the knowledges and reasons last that the maintain, to skilled publics and no specialised of a clear way and without ambiguities.
B4	Capacity of research, analysis and selection of notable information
B5	Capacity of utilisation and management of the information
C1	Know act like representatives of the promoter of the project in all the fields of performance of the Director of Project or Project Manager.
C19	Capacity for the editorial of the project as well as for his communication of form convincing, clear, concise and without ambiguities
D5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.

Expected results from this subject

Expected results from this subject	Training and Learning Results
Be able to identify the basic concepts of the Processes of Information in the Companies and of the different methodologies and standard.	A2 A4 B4 C1 C19 D5
Be able to develop the basic capacity to relate with the areas of resources, communications, acquisitions, risks, quality and financial of the company under the perspective of the Area of Projects.	A2 B4 C1 C19
Be able to realise a basic analysis on the appearances to consider with regard to the decision to invest in active. Financial economic perspective *versus technical perspective.	A2 A4 C1 D5
Be able to develop skills of presentation and of work in team.	A2 A4 C1 C19 D5

Be able to develop skills for the adaptation to new situations and resolution of problems, and for the autonomous learning.	A2 B4 B5 C19 D5	
Be able to relate between the basic concepts and the criterion of business decision with regard to the investments.	A4 B4 C19 D5	

Contents

Topic	
Subject I. Standards and management of the quality in projects TICS	The management in time of crisis.
Subject II. Management of the resources in projects Tics.	The projects Tics and the analysis of the investment.
Subject III. Management of the communications in projects Tics.	The communications, the direction and the strategic management of the projects
Subject IV. Management of the changes in projects tics	The changes, the direction and the strategic management of the projects
Subject V. Management of the risks in projects Tics	The risks, , the direction and the strategic management of the projects
Subject SAW. Management of the acquisitions in projects Tics.	The acquisitions, , the direction and the strategic management of the projects
Subject VII. Management of the financial resources in projects tics	The financial resources, , the direction and the strategic management of the projects

Planning

	Class hours	Hours outside the classroom	Total hours
Case studies	10	2	12
Debate	2	0	2
Lecturing	9	0	9
Project based learning	5	35	40
Problem solving	10	0	10
Problem and/or exercise solving	1	0	1
Essay	1	0	1

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Case studies	Along the course present situations problem that will be analysed and studied by part of the students to propose solutions to the even.
Debate	Put in common and debate by part of the students and professor of the works realised following the guidelines of the educational.
Lecturing	Exhibition by part of the professor of the contents on the matter object of study, theoretical bases and/or guidelines of the work, exercise or project to develop by the estudiante.te.
Project based learning	Preparation of practical proposals of projects in base to the methodology *DIP
Problem solving	Along the course will propose exercises that will have to resolve of individual form by part of student.

Personalized assistance

Methodologies	Description
Problem solving	The student will receive attention individual in the time of tutor established it such end during it study academic. Stop the query of the his schedule of tutor and place of the same owes to consult the web of the master: www.mdip.es

Assessment

	Description	Qualification		Training and Learning Results	
Problem and/or exercise solving	Analysis and resolution of problems proposed teaching pole	20	A2 A4	C19	D5
Essay	Manufacture and delivery of works following the indications of the teacher	80	A4	C1 C19	

Other comments on the Evaluation

Note: t is necessary to pass both tests to obtain a positive final grade in the subject. In case of not having passed the subject in the first call, the skills not acquired will be evaluated in the July call in the same way. The official dates of the exams can be found on the Master's website www.mdip.es

Sources of information
Basic Bibliography
Serer Figueroa, Marcos., **Gestión Integrada de Proyectos**, 1ª Edición, Gestión, 2000
Amat Salas, Oriol., **Contabilidad y finanzas para no financieros**, 1ª Edición, Deusto, 2008
Complementary Bibliography
Amat Salas, Oriol, **Comprender la contabilidad y las fin**, 1ª Edición, UPC, 2006

Recommendations

Subjects that it is recommended to have taken before
Management of an ICT Projects/P02M163V01115

IDENTIFYING DATA

Internships

Subject	Internships
Code	P02M163V01117
Study programme	Máster Universitario en Dirección Integrada de Proyectos

Descriptors	ECTS Credits		Choose	Year	Quadmester
	6		Mandatory	1st	An

Teaching language	Spanish
Department	
Coordinator	Cancela Carral, José María
Lecturers	Cancela Carral, José María García García, Óscar
E-mail	chemacc@uvigo.es
Web	http://www.mdip.es
General description	(*)Desenvolvemento de prácticas en empresa, vinculadas á metodoloxía exposta no máster (PMP). Estas prácticas teñan serán desenvolvidas con un tutor e terán un mínimo equivalente a 130 horas de traballo na empresa e un máximo de 150 horas computables. O alumno deberá entregar unha Memoria final de la actividad. Estas prácticas están reguladas mediante o seguiste reglamento: http://mdip.es/images/CURSO_2015-2016/Reglamento_practicas_empresa_Master_DIP_V5_2015_2016.pdf

Training and Learning Results

Code	
B1	Capacity of analysis and synthesis.
B2	Capacity of Organisation and Planning
B9	Capacity for the resolution of problems
B11	Capacity to work in a team of character interdisciplinary
B12	Capacity to work in an international context
B13	Capacity of leadership, dialogue and negotiation
B14	Motivation by the quality
B15	Sensitivity to subjects of labour security, accessibility, sustainability and environment
C1	Know act like representatives of the promoter of the project in all the fields of performance of the Director of Project or Project Manager.
C2	Know initiate, schedule, direct, control and close Projects of Building and Territorial Development in the speciality of Building and Territorial Development
C3	Know initiate, schedule, direct, control and close Projects of Leisure and Sport in the speciality of Leisure and sport
C4	Know initiate, schedule, direct, control and close Projects of Systems of Information in the speciality of Systems of Information
D1	Express properly, so much of oral form as written, in the official tongues of the autonomous community.
D2	Dominate the expression and the understanding of oral form and written of a foreign language
D3	Value the importance that has the investigation, the innovation and the technological development in the socioeconomic and cultural advance of the society.
D4	Assume like professional and citizen the importance of the learning along the life.
D5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.
D6	Understand the importance of the culture enterprising and know the means near at hand of the people enterprise.
D8	Use the basic tools of the technologies of the information and the communications (TIC) necessary for the exercise of his profession and for the learning along his life.

Expected results from this subject

Expected results from this subject	Training and Learning Results

Be able to present the management of the integration of a real project	B2
	B9
	B14
	B15
	C2
	C3
	C4
	D1
	D2
	D3
	D5
	D8
Be able to purchase behaviours of respect and help.	B11
	B12
	B13
	B14
	B15
	C1
	D5
	D6
Be able to elaborate a memory of practise that it reflect the participation in the development of the processes of a project and his links with the methodologies of direction of projects developed in the Master.	B1
	B2
	B9
	B15
	C1
	C2
	C3
	C4
	D1
	D2
	D3
	D4
	D5

(*)Ser capaz de traballar en equipo e desenvolver habilidades de comunicación

Contents

Topic	
Chapter I. The external practices as a first contact with the professional field in comprehensive project management.	Practices: what they are and they are.
Chapter II.Contextualización practices: description of the company / institution or service.	Analysis of the context of the company
Chapter III. Developing Practices memories following the guidelines of the document prepared for this purpose.	Memory practices: their structure

Planning

	Class hours	Hours outside the classroom	Total hours
Practicum, External practices and clinical practices	0	130	130
Lecturing	5	0	5
Essay	0	15	15

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Practicum, External practices and clinical practices	Development of memory practices following the guidelines established in the regulations
Lecturing	Oral presentation with audiovisual support for the contents of the object field of study, theoretical and / or guidelines of work, exercise or project to be developed by the student.

Personalized assistance

Methodologies	Description

Practicum, External practices and clinical practices	The student will receive individual attention in tutoring schedule established for this purpose during the current academic year. To read your tutoring schedule and place thereof should consult the web master: www.mdip.es.

Assessment

Description	Qualification Training and Learning Results
EssayEvaluation and the final report submitted by the Deputy Labour corresponding to the development phase of the project student.	100

Other comments on the Evaluation

The practices and his memory been made in base to the guidelines of the rule approved by the CAM for such end.

Sources of information
Basic Bibliography

Comisión Académica del Master, **Normativa de desarrollo de las prácticas**, 1ª, UDC, 2008

Complementary Bibliography

Recommendations

Subjects that it is recommended to have taken before

Life Cycle and Project Standards/P02M163V01102

DIP Conceptual Framework/P02M163V01101

IDENTIFYING DATA

Master's Thesis

Subject	Master's Thesis
Code	P02M163V01118
Study programme	Máster Universitario en Dirección Integrada de Proyectos

Descriptors	ECTS Credits		Choose	Year	Quadmester
	10		Mandatory	1st	An

Teaching language	Spanish
Department	
Coordinator	Cancela Carral, José María
Lecturers	Álvarez Bermúdez, Xana Cancela Carral, José María Carreño Morales, Rafael María Cerqueiro Pequeño, Jorge Gambau I Pinasa, Vicente García García, Óscar Guillén Solórzano, Eduardo Lorenzo Mateo, Jaime Alberto Mandado Vázquez, Alfonso Martínez Carballo, Manuel Nieto Uria Ribeiro de Almeida, Arturo Sánchez Santos, José Manuel Serrano Gómez, Virginia
E-mail	chemacc@uvigo.es
Web	http://www.mdip.es
General description	Development of a project following the DIP methodology in which all phases of the same pick.

Training and Learning Results

Code	
A4	That the students know to communicate his conclusions, and the knowledges and reasons last that the maintain, to skilled publics and no specialised of a clear way and without ambiguities.
A5	That the students possess the skills of learning that allow them continue studying of a way that will have to be to a large extent Self-directed or autonomous.
C1	Know act like representatives of the promoter of the project in all the fields of performance of the Director of Project or Project Manager.
C19	Capacity for the editorial of the project as well as for his communication of form convincing, clear, concise and without ambiguities
C22	Habits of excellence and ethical commitment in the professional exercise of the Project Manager.
D1	Express properly, so much of oral form as written, in the official tongues of the autonomous community.
D4	Assume like professional and citizen the importance of the learning along the life.
D5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.
D6	Understand the importance of the culture enterprising and know the means near at hand of the people enterprise.
D7	Develop for the exercise of an open citizenship, literate, critical, committed, democratic and solidarity, able to analyse the reality, diagnose problems, formulate and implant solutions based in the knowledge and oriented to the very common.
D8	Use the basic tools of the technologies of the information and the communications (TIC) necessary for the exercise of his profession and for the learning along his life.

Expected results from this subject

Expected results from this subject	Training and Learning Results

The student will be able to present his project, explain it of concrete form and defend it	A4
	A5
	C1
	C19
	C22
	D1
	D4
	D5
	D6
	D7
	D8

Contents

Topic
The work will consist in the Analisis, development Each one of the phases of the development of the project of management and editorial of a project of original management. following the methodology DIP or ISO 21500. With this object each student/to will realize an individual and autonomous work   Each one of the phases of the development of the project of management académicamente directed by a professor/to of thefollowing methodology Ágil (for example SCRUM). Máster. The work will have to follow the pautas of the norm elaborated for such end.   In each phase the development of the groups of necessary processes for his realization

Planning

	Class hours	Hours outside the classroom	Total hours
Lecturing	2	10	12
Mentored work	8	30	38
Project	0	200	200

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Lecturing	Presentation of guidelines and rules to follow in developing the Master Final Project
Mentored work	Attendance at tutorials to oversee and guide the development of the Master Final Project

Personalized assistance

Methodologies	Description
Mentored work	The student will receive individual attention in tutoring schedule established for this purpose during the current academic year. To read your tutoring schedule and place thereof should consult the web master: www.mdip.es.

Assessment

Description	Qualification	Training and Learning Results

ProjectThe examination of the Work End of Máster will realize by means of an act presencial, in public session, to realize in the dependencies designated by the Direction of the Máster to such effect. It will consist in the oral exhibition, front to a court of three members, of the project developed. For this the/the student/to will have a maximum time of 20 minutes, after which each one of the members of the Court will formulate cuantas questions estimate timely to evaluate the technical and organizational quality of the project presented. The appearances to value to assign the qualification of each Project will be the following: Content, organization and editorial of the corresponding memory. Quality and adjust to the methodology DIP or ágil of the project presented. Quality of the work realized: difficulty of the subject treated, originality, adjust to the reality of the plan of management, capacity of management of the change, lessons learnt and design of tools of follow-up and control. Quality of the oral exhibition and of the answers to the questions posed by the members of the court	100	A4 A5	C1 C19 C22	D1 D4 D5 D6 D7 D8

Other comments on the Evaluation

It will be necessary to follow the rule approved by the CAM, for such end. In case of not having surpassed the subject in the first announcement, the no purchased competitions will be evaluated in the announcement of July with the same format. The official dates of the examinations can consult in the web of the Máster www.mdip.es

Sources of information

Basic Bibliography

AENOR, **Norma española UNE-ISO 21500:2013. Directrices para la gestión y dirección de proyectos**, 1, Asociación Española de Normalización y Certificaci, 2013

Project Management Institute, **A Guide to the Project Management Body of Knowledge (PMBOK® Guide)**, 6, Project Management Institute, 2017

Complementary Bibliography

CAM_DIP, **Normativa TFM**,

Recommendations

Subjects that continue the syllabus

Life Cycle and Project Standards/P02M163V01102
DIP Conceptual Framework/P02M163V01101

Subjects that it is recommended to have taken before

Life Cycle and Project Standards/P02M163V01102
Economic Environment and Procedures. Project Start/P02M163V01109
Project Quality Management/P02M163V01106
Project Integration and Scope Management/P02M163V01103
Project Cost Management/P02M163V01105
Project Risk Management and Acquisitions/P02M163V01108
RR management. H H. of the Project, Communications and Stakeholder Management/P02M163V01107
Project Time Management/P02M163V01104
Headquarters and Execution Management/P02M163V01110
DIP Conceptual Framework/P02M163V01101
Project Monitoring, Control, and Closure/P02M163V01112
Project Monitoring, Control and Closure/P02M163V01113