



(*)Facultade de Ciencias da Educación e do Deporte

(*)Máster Universitario en Dirección Integrada de Proxectos

Subjects

Year 1st

Code	Name	Quadmester	Total Cr.
P02M163V01101	Marco Conceptual da DIP	An	3
P02M163V01102	Ciclo de Vida e Normas do Proxecto	An	3.5
P02M163V01103	Xestión da Integración e do Alcance	An	5
P02M163V01104	Xestión do Tempo do Proxecto	An	5
P02M163V01105	Xestión dos Custos do Proxecto	An	3.5
P02M163V01106	Xestión da Calidade do Proxecto	An	3
P02M163V01107	Xestión dos RR. HH. do Proxecto, as Comunicacións e Xestión dos Interesados	An	4
P02M163V01108	Xestión dos Riscos do Proxecto e Adquisicións	An	6
P02M163V01109	Contorna Económica e Procedemento. Inicio do Proxecto	An	5
P02M163V01110	Xefatura e Xestión da Execución	An	3
P02M163V01111	Seguemento e Control. Manuais de Procedemento	An	3
P02M163V01112	Xefatura e Xestión do Proxecto	An	3
P02M163V01113	Seguemento, Control e Peche do Proxecto	An	3
P02M163V01114	Necesidades e Tecnoloxías dos Sistemas de Información	An	5
P02M163V01115	Xestión dun Proxecto TIC	An	3
P02M163V01116	Estándares para a Xestión de Proxectos TIC	An	3
P02M163V01117	Prácticas en Empresas	An	6
P02M163V01118	Traballo Fin de Máster	An	10

IDENTIFYING DATA**(*)Marco Conceptual da DIP**

Subject	(*)Marco Conceptual da DIP			
Code	P02M163V01101			
Study programme	(*)Máster Universitario en Dirección Integrada de Proxectos			
Descriptors	ECTS Credits	Type	Year	Quadmester
	3	Mandatory	1st	An
Teaching language	Spanish			
Department	Special Didactics External			
Coordinator	García García, Óscar			
Lecturers	García García, Óscar Gondar Álvarez, Raquel			
E-mail	oscargarcia@uvigo.es			
Web	http://www.mdip.es			
General description	Will carry out the *conceptualización of the methodology in Integrated Direction of Projects, analysing the structure, foundations and context of the same.			

Competencies

Code	
CB1	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.
CB2	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.
CG1	Capacity of analysis and synthesis.
CG2	Capacity of Organisation and Planning
CG4	Capacity of research, analysis and selection of notable information
CG5	Capacity of utilisation and management of the information
CG9	Capacity for the resolution of problems
CG13	Capacity of leadership, dialogue and negotiation
CE8	Capacity of organisation and planning the different phases of a project.
CE19	Capacity for the editorial of the project as well as for his communication of form convincing, clear, concise and without ambiguities
CT5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.

Learning outcomes

Learning outcomes	Competences
The student will be able to identify and define a project.	CB2 CG4 CG9 CE19
The student will be able to identify and define the processes of a project.	CB1 CB2 CG4 CE8
The student will be able to comprise the structure of integration of the processes inside a project.	CB1 CB2 CG2 CG5 CE19
The student will be able to comprise as it affects the surroundings to the development of the project.	CB2 CG1 CG13 CE8
The student will be able to identify norms and regulations of the direction of projects.	CB2 CG4 CG5 CE8

The student will be able to know the foundations that *sustentan the integrated direction of projects.	CB1 CG5 CT5
The student will be able to develop skills for the adaptation to new situations and resolution of problems, and for the autonomous learning.	CB1 CG1 CG9 CE19 CT5

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. Processes and groups of processes.	The Structure of the predictive methods: PMBok, Prince2, ISO 21500, IPMA ICB 3.0 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	8	7	15
Case studies	2	8	10
Problem solving	2	10	12
Classroom jobs	1	10	11
Objective questions exam	1	10	11
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.
Classroom jobs	It is works proposed by the educational that will be able to develop of individual or collective form

Personalized attention

Methodologies Description

Problem solving	The student will have of a schedule of tutorials to be able to solve concrete doubts on the problems and exercises posed in class.
Classroom jobs	The student will have of a schedule of tutorials to be able to solve concrete doubts on the problems and exercises posed in class.

Assessment

	Description	Qualification	Evaluated	Competences
Objective questions exam	It consists of 20 questions and only answer on all the contents given in the subject.	70	CB1 CB2	CG4 CG5 CT5

Essay	Brief works in base to the contents given in the matter.	30	CG1 CG2 CG9 CG13	CE8 CE19
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Other comments on the Evaluation

It is necessary to surpass both 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 only through one tests type test.

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**, 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

OGC - Office of Government Commerce, **Managing Successful Projects with PRINCE2 2009 edition**, The Stationery Office, 2009

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

Complementary Bibliography

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

Project Management Institute., **The standard for Portfolio Management**, 3, Project Management Institute, 2013

Project Management Institute., **The standard for Program Management**, 3, Project Management Institute, 2013

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

(*)Ciclo de Vida e Normas do Proxecto/P02M163V01102

(*)Xestión da Integración e do Alcance/P02M163V01103

IDENTIFYING DATA**(*)Ciclo de Vida e Normas do Proxecto**

Subject	(*)Ciclo de Vida e Normas do Proxecto			
Code	P02M163V01102			
Study programme	(*)Máster Universitario en Dirección Integrada de Proxectos			
Descriptors	ECTS Credits	Type	Year	Quadmester
	3.5	Mandatory	1st	An
Teaching language	Spanish			
Department	Special Didactics			
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			

Competencies

Code	
CB2	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.
CB3	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.
CB4	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.

Learning outcomes

Learning outcomes	Competences
Identify and select it model most appropriate life cycle for each project.	CB3 CB4
Appropriate use of project life cycles and product differentiating both processes where appropriate.	CB2 CB3 CB4
Identify the rules of project management.	CB2 CB3
Know and apply the rationale underpinning the integrated project management.	CB2 CB3
Develop skills to adapt to new situations and problem solving, and independent learning for him.	CB3 CB4

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 attention

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	Evaluated Competences
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

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 & Sons., 2008

okes, S., Greenwood, A., Major, I. & 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 pública privada**, 1ª, asociación LUGH de directores de proyecto, 2008

Recommendations

IDENTIFYING DATA**(*)Xestión da Integración e do Alcance**

Subject	(*)Xestión da Integración e do Alcance			
Code	P02M163V01103			
Study programme	(*)Máster Universitario en Dirección Integrada de Proxectos			
Descriptors	ECTS Credits	Type	Year	Quadmester
	5	Mandatory	1st	An
Teaching language	Spanish			
Department	Special Didactics External			
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	*Análisis Of the different stages and *entregables to attain during the development of the Integration and scope of the project.			

Competencies

Code	
CB1	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.
CB2	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.
CG1	Capacity of analysis and synthesis.
CG2	Capacity of Organisation and Planning
CG4	Capacity of research, analysis and selection of notable information
CG5	Capacity of utilisation and management of the information
CG9	Capacity for the resolution of problems
CE5	Identify and comprise the interaction between the groups of processes that carry out in the surroundings of the Project Manager.
CE8	Capacity of organisation and planning the different phases of a project.
CE19	Capacity for the editorial of the project as well as for his communication of form convincing, clear, concise and without ambiguities
CE21	Capacity to manage the obtaining of the resulted chord to the criteria of term, cost and quality, and of the customer
CT5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.
CT7	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.
CT8	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.

Learning outcomes

Learning outcomes	Competences
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	CB2 CG2 CE5 CE8 CT5
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	CB1 CB2 CG1 CG2 CG4 CE5 CE8 CT5

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	CB2 CG1 CG4 CG9 CE5 CE21 CT5
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	CB1 CB2 CG2 CG4 CE5 CE8 CT5 CT8
The student will be able to develop a structure of breakdown of work (*EDT) for the project	CG2 CG4 CG5 CE8 CE19 CT7 CT8

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
Case studies	7	37	44
Essay	1	25	26
Presentation	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	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
Case studies	Study of situations proposed by the educational.

Personalized attention

Methodologies Description

Case studies The student will have of a schedule of tutorials to be able to solve concrete doubts on the cases and situations posed in class.

Assessment

Description	Qualification	Evaluated	Competences
Essay	50	CB1 CB2	CG2 CG4 CG9 CE8 CE21
Presentation	50		CG1 CG5 CE5 CE19 CT7 CT8

Other comments on the Evaluation

The student that do not develop the works and studies of cases proposed will have to present to the official examinations, that will have a value of 100%. The examination is type test of 20 questions of only answer. In case of not having surpassed the subject in the first announcement, the no purchased competitions will be evaluated in the announcement of July. The official dates of the examinations can consult in the web of the Máster www.mdip.es

Sources of information

Basic Bibliography

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

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

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

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

Complementary Bibliography

Recommendations

Subjects that continue the syllabus

(*)Xestión do Tempo do Proxecto/P02M163V01104

Subjects that it is recommended to have taken before

(*)Ciclo de Vida e Normas do Proxecto/P02M163V01102

(*)Marco Conceptual da DIP/P02M163V01101

IDENTIFYING DATA**Xestión do Tempo do Proxecto**

Subject	Xestión do Tempo do Proxecto			
Code	P02M163V01104			
Study programme	Máster Universitario en Dirección Integrada de Proxectos			
Descriptors	ECTS Credits	Type	Year	Quadmester
	5	Mandatory	1	An
Teaching language	Castelán			
Department				
Coordinator	Cancela Carral, José María			
Lecturers	Cancela Carral, José María			
E-mail	chemacc@uvigo.es			
Web	http://www.mdip.es			
General description	Análise do plan do proxecto, coas súas unidades temporais máis importantes.			

Competencias

Code	
CG1	Capacidade de análise e síntese.
CG2	Capacidade de Organización e Planificación
CG3	Capacidade de Traballo en equipo
CG4	Capacidade de procura, análise e selección de información relevante
CG5	Capacidade de utilización e xestión da información
CG6	Orientación aos resultados
CG8	Capacidade de comunicación e motivación
CG9	Capacidade para a resolución de problemas
CG10	Capacidade para a toma de decisións
CG13	Capacidade de liderado, diálogo e negociación
CG15	Sensibilidade cara a temas de seguridade laboral, accesibilidade, sustentabilidade e medioambiente
CE1	Saber actuar como representantes do promotor do proxecto en todos os ámbitos de actuación do Director de Proxecto ou Project Manager.
CE2	Saber iniciar, planificar, dirixir, controlar e pechar Proxectos de Edificación e Desenvolvemento Territorial na especialidade de Edificación e Desenvolvemento Territorial
CE3	Saber iniciar, planificar, dirixir, controlar e pechar Proxectos de Lecer e Deporte na especialidade de Lecer e deporte
CE4	Saber iniciar, planificar, dirixir, controlar e pechar Proxectos de Sistemas de Información na especialidade de Sistemas de Información.
CT1	Expresarse correctamente, tanto de forma oral como escrita, nas linguas oficiais da comunidade autónoma.
CT4	Asumir como profesional e cidadán a importancia da aprendizaxe ao longo da vida.
CT5	Valorar de forma crítica o coñecemento, a tecnoloxía e a información dispoñible para resolver os problemas cos que deben enfrontarse.
CT6	Entender a importancia da cultura emprendedora e coñecer os medios ao alcance das persoas emprendedoras.
CT7	Desenvolverse para o exercicio dunha cidadanía aberta, culta, crítica, comprometida, democrática e solidaria, capaz de analizar a realidade, diagnosticar problemas, formular e implantar solucións baseadas no coñecemento e orientadas ao ben común.
CT8	Utilizar as ferramentas básicas das tecnoloxías da información e as comunicacións (TIC) necesarias para o exercicio da súa profesión e para a aprendizaxe ao longo da súa vida.

Resultados de aprendizaxe

Learning outcomes	Competences
Ser capaz de estimar a Duración das Actividades	CG1 CG2 CG3 CG9 CE2 CE3 CE4 CT5 CT6 CT7

Ser capaz de desenvolver o Cronograma do proxecto	CG1 CG2 CG3 CG5 CE2 CE3 CE4 CT1 CT4 CT5 CT7
Ser capaz de controlar o Cronograma	CG2 CG3 CG8 CG13 CE2 CE3 CE4 CT4 CT5 CT6
Ser capaz de definir as Actividades	CG2 CG4 CG6 CE2 CE3 CE4 CT4 CT5 CT7 CT8
Ser capaz de secuenciar as Actividades	CG2 CG3 CG4 CG9 CG10 CE2 CE3 CE4 CT1 CT5 CT8
Ser capaz de estimar os Recursos para as Actividades	CG1 CG2 CG15 CE1 CE2 CE3 CE4 CT4 CT5 CT7 CT8

Contidos

Topic	
TEMA 1: A Xestión do tempo e a súa importancia	Revisión dos aspectos xerais da xestión do tempo
TEMA 2: A Xestión do tempo no proxecto.	Relevancia da xestión do tempo como recurso principal no proxecto
TEMA 3: A xestión do tempo na metodoloxía PMBOK	Análise do grupo de procesos vinculados á xestión do tempo de acordo co PMBOK
TEMA 4: A planificación das actividades do proxecto e dos seus tempos.	Revisión das técnicas de planificación e programación de actividades no proxecto
TEMA 5: A asignación de recursos	Establecemento das técnicas de asignación de recursos ás actividades do proxecto e a súa vinculación cos tempos.
TEMA 6: A xestión do proxecto: Tempo e Custos	Técnicas de programación
TEMA 7: As ferramentas para a xestión de proxectos: MS PROJECT e Open Project	Revisión de Ferramentas e Software para a Xestión de Proxectos

IDENTIFYING DATA**Xestión dos Custos do Proxecto**

Subject	Xestión dos Custos do Proxecto			
Code	P02M163V01105			
Study programme	Máster Universitario en Dirección Integrada de Proxectos			
Descriptors	ECTS Credits	Type	Year	Quadmester
	3.5	Mandatory	1	An
Teaching language	Castelán			
Department				
Coordinator	Cancela Carral, José María			
Lecturers	Cancela Carral, José María			
E-mail	chemacc@uvigo.es			
Web	http://www.mdip.es			
General description	Estudo do plan do proxecto, dende o punto de vistas do coste do mesmo.			

Competencias

Code	
CB2	Que os estudantes saiban aplicar os coñecementos adquiridos e a súa capacidade de resolución de problemas en contornos novos ou pouco coñecidos dentro de contextos máis amplos (ou multidisciplinares) relacionados coa súa área de estudo.
CB3	Que os estudantes sexan capaces de integrar coñecementos e se enfrontar á complexidade de formular xuízos a partir dunha información que, sendo incompleta ou limitada, inclúa reflexións sobre as responsabilidades sociais e éticas vinculadas á aplicación dos seus coñecementos e xuízos.
CB4	Que os estudantes saiban comunicar as súas conclusións, e os coñecementos e razóns últimas que as sustentan, a públicos especializados e non especializados dun xeito claro e sen ambigüidades.
CB5	Que os estudantes posúan as habilidades de aprendizaxe que lles permitan continuar estudando dun xeito que terá que ser, en grande medida, autodirixido e autónomo.
CG1	Capacidade de análise e síntese.
CG2	Capacidade de Organización e Planificación
CG3	Capacidade de Traballo en equipo
CG4	Capacidade de procura, análise e selección de información relevante
CG5	Capacidade de utilización e xestión da información
CG6	Orientación aos resultados
CG8	Capacidade de comunicación e motivación
CG9	Capacidade para a resolución de problemas
CG10	Capacidade para a toma de decisións
CG11	Capacidade para traballar nun equipo de carácter interdisciplinar
CG12	Capacidade para traballar nun contexto internacional
CE1	Saber actuar como representantes do promotor do proxecto en todos os ámbitos de actuación do Director de Proxecto ou Project Manager.
CE12	Capacidade de planificar, executar e controlar a xestión do custo do proxecto
CE21	Capacidade para xestionar a obtención do resultado acorde aos criterios de prazo, custo e calidade, e do cliente
CE22	Hábitos de excelencia e compromiso ético no exercicio profesional do Project Manager.
CT4	Asumir como profesional e cidadán a importancia da aprendizaxe ao longo da vida.
CT5	Valorar de forma crítica o coñecemento, a tecnoloxía e a información dispoñible para resolver os problemas cos que deben enfrontarse.
CT7	Desenvolverse para o exercicio dunha cidadanía aberta, culta, crítica, comprometida, democrática e solidaria, capaz de analizar a realidade, diagnosticar problemas, formular e implantar solucións baseadas no coñecemento e orientadas ao ben común.
CT8	Utilizar as ferramentas básicas das tecnoloxías da información e as comunicacións (TIC) necesarias para o exercicio da súa profesión e para a aprendizaxe ao longo da súa vida.

Resultados de aprendizaxe

Learning outcomes	Competences
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Ser capaz de estimar os Custos das Actividades	CB3 CB4 CG1 CG2 CG6 CG11 CE1 CE12 CE21 CE22 CT4 CT7
Ser capaz de preparar o Orzamento do Proxecto	CB2 CB3 CB5 CG2 CG5 CG6 CG9 CE12 CE21 CE22 CT4 CT5 CT7 CT8
Ser capaz de desenvolver o *Cronograma de ingresos e pagos do Proxecto	CB3 CB5 CG2 CG3 CG4 CG8 CG9 CG11 CG12 CE1 CE12 CE21 CE22 CT4 CT5 CT7 CT8
Ser capaz de establecer sistemas de Control de Custos do Proxecto	CB2 CB3 CB5 CG1 CG2 CG6 CG9 CG10 CE12 CE21 CE22

Contidos	
Topic	
Tema I. O plan do proxecto. Estimación de Custos.	A estimación
Tema II. A preparación do Orzamento de Custos	O orzamento
Tema III. A calendarización de pagos	Os pagos
Tema IV. O control dos Custos do proxecto	O control de Custos

Planificación			
	Class hours	Hours outside the classroom	Total hours
Lección maxistral	5	10	15

Presentación	5	10	15
Estudo de casos	5	10	15
Resolución de problemas	10	17.5	27.5
Exame de preguntas obxectivas	1	4	5
Resolución de problemas	1	9	10

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

Metodoloxía docente

	Description
Lección maxistral	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.
Presentación	Posta en común e debate por parte dos alumnos e profesor dos traballos realizados seguindo as directrices do docente.
Estudo de casos	Ao longo do curso preséntanse situacións problema que serán analizadas e estudadas por parte dos alumnos para propoñer solucións ao mesmo.
Resolución de problemas	Ao longo do curso propoñeranse exercicios que deberán resolverse de forma individual por parte de alumno.

Atención personalizada

Methodologies Description

Presentación	O alumno recibirá atención individualizada no horario de titorías establecido a tal fin durante o presente curso académico. Para a consulta do seu horario de titorías e lugar das mesmas deberase consultar a web do master: www.mdip.es
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Avaliación

	Description	Qualification	Evaluated Competences
Exame de preguntas obxectivas	Consta de 20 preguntas e resposta única sobre todos os contidos impartidos na asignatura.	30	
Resolución de problemas	Aplicación dos métodos de xestión de custos a un proxecto, análise do cronograma, e programación dos recursos	70	

Other comments on the Evaluation

&amp;lt;p&amp;gt;O alumno poderá superar a asignatura mediante a asistencia e a participación nas clases presenciais, así como, a realización dos traballos propostos (ata 7 puntos). No entanto, poderá realizar tamén o exame teórico que lle permitirá complementar a nota final en ata 3 puntos. Aqueles alumnos que só realicen o exame teórico a nota final será entre 0-10 puntos.&amp;lt;/p&amp;gt;

Bibliografía. Fontes de información

Basic Bibliography

Complementary Bibliography

Recomendacións

IDENTIFYING DATA**Xestión da Calidade do Proxecto**

Subject	Xestión da Calidade do Proxecto			
Code	P02M163V01106			
Study programme	Máster Universitario en Dirección Integrada de Proxectos			
Descriptors	ECTS Credits	Type	Year	Quadmester
	3	Mandatory	1	An
Teaching language	Castelán			
Department				
Coordinator	Cancela Carral, José María			
Lecturers	Cancela Carral, José María			
E-mail	chemacc@uvigo.es			
Web	http://www.mdip.es			
General description	Análise do plan de calidade dun proxecto e o seu aseguramiento.			

Competencias

Code	
CG1	Capacidade de análise e síntese.
CG2	Capacidade de Organización e Planificación
CG4	Capacidade de procura, análise e selección de información relevante
CG5	Capacidade de utilización e xestión da información
CG7	Orientación ao cliente
CG14	Motivación pola calidade
CE2	Saber iniciar, planificar, dirixir, controlar e pechar Proxectos de Edificación e Desenvolvemento Territorial na especialidade de Edificación e Desenvolvemento Territorial
CE3	Saber iniciar, planificar, dirixir, controlar e pechar Proxectos de Lecer e Deporte na especialidade de Lecer e deporte
CE4	Saber iniciar, planificar, dirixir, controlar e pechar Proxectos de Sistemas de Información na especialidade de Sistemas de Información.
CT4	Asumir como profesional e cidadán a importancia da aprendizaxe ao longo da vida.
CT5	Valorar de forma crítica o coñecemento, a tecnoloxía e a información dispoñible para resolver os problemas cos que deben enfrontarse.

Resultados de aprendizaxe

Learning outcomes	Competences
Identificar e definir os procesos dun proxecto.	CG1
	CG2
	CE2
	CE3
	CT4
Comprender a estrutura de integración dentro dun proxecto	CT5
	CG2
	CG7
	CG14
	CE2
Comprender a contorna do proxecto.	CE3
	CE4
	CT4
	CT5
	CG1
	CG2
	CG4
	CG5
	CE2
	CE3
	CE4
	CT4
	CT5

Identificar normas e *regulaciones da dirección de proxectos.

CG1
CG4
CG7
CG14
CE2
CE3
CE4
CT4
CT5

Coñecer os fundamentos que sustentan a dirección integrada de proxectos.

CG1
CG2
CG4
CG5
CG14
CE2
CE3
CE4
CT4
CT5

Desenvolver habilidades para a adaptación a novas situacións e resolución de problemas, e para a aprendizaxe autónoma.

CG1
CG4
CG14
CE2
CE3
CE4
CT4
CT5

Contidos

Topic

Tema I. Introducción á Calidade	A calidade. O seu concepto
Tema II. Calidade vs Seguridade	A Calidade e a seguridade
Tema III. A planificación da Calidade	A calidade: a súa planificación
Tema IV. O aseguramiento da Calidade	A Calidade: o seu aseguramiento
Tema IV. O control da Calidade	A calidade: o seu control

Planificación

	Class hours	Hours outside the classroom	Total hours
Lección maxistral	14	37	51
Estudo de casos	3	7	10
Resolución de problemas	3	7	10
Exame de preguntas obxectivas	1	3	4

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

Metodoloxía docente

	Description
Lección maxistral	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.
Estudo de casos	Ao longo do curso preséntanse situacións problema que serán analizadas e estudadas por parte dos alumnos para propoñer solucións ao mesmo.
Resolución de problemas	Ao longo do curso propoñeranse exercicios que deberán resolverse de forma individual por parte de alumno.

Atención personalizada

Methodologies Description

Estudo de casos O alumno recibirá atención individualizada no horario de titorías establecido a tal fin durante o curso académico . Para a súa consulta débese recorrer á web www.mdip.es.

Avaliación

	Description	Qualification	Evaluated Competences
Estudo de casos	Estudo de caso e análise das situacións	60	

Exame de preguntas obxectivas	Consta de 20 preguntas e resposta única sobre todos os contidos impartidos na asignatura.	40
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Other comments on the Evaluation

Bibliografía. Fontes de información

Basic Bibliography

Complementary Bibliography

Recomendacións

Subjects that continue the syllabus

Xestión dos RR. HH. do Proxecto, as Comunicaci3ns e Xestión dos Interesados/P02M163V01107

Subjects that it is recommended to have taken before

Xestión dos Custos do Proxecto/P02M163V01105

IDENTIFYING DATA**Xestión dos RR. HH. do Proxecto, as Comunicaci3ns e Xestión dos Interesados**

Subject	Xestión dos RR. HH. do Proxecto, as Comunicaci3ns e Xestión dos Interesados			
Code	P02M163V01107			
Study programme	Máster Universitario en Direcci3n Integrada de Proxectos			
Descriptors	ECTS Credits	Type	Year	Quadmester
	4	Mandatory	1	An
Teaching language	Castelán			
Department	Didácticas especiais Dpto. Externo			
Coordinator	Cancela Carral, José María			
Lecturers	Cancela Carral, José María Gambau I Pinasa, Vicente Serrano Gómez, Virginia			
E-mail	chemacc@uvigo.es			
Web	http://www.mdip.es			
General description	Análise dos diferentes eslav3ns que forman o equipo de recursos humanos, e dos seus procedementos e pautas para a comunicaci3n			

Competencias

Code	
CG1	Capacidade de análise e síntese.
CG2	Capacidade de Organizaci3n e Planificaci3n
CG3	Capacidade de Traballo en equipo
CG4	Capacidade de procura, análise e selecci3n de informaci3n relevante
CG7	Orientaci3n ao cliente
CG8	Capacidade de comunicaci3n e motivaci3n
CG9	Capacidade para a resoluci3n de problemas
CG10	Capacidade para a toma de decisi3ns
CG11	Capacidade para traballar nun equipo de carácter interdisciplinar
CG15	Sensibilidade cara a temas de seguridade laboral, accesibilidade, sustentabilidade e medioambiente
CE1	Saber actuar como representantes do promotor do proxecto en todos os ámbitos de actuaci3n do Director de Proxecto ou Project Manager.
CT1	Expresarse correctamente, tanto de forma oral como escrita, nas linguas oficiais da comunidade autónoma.
CT2	Dominar a expresi3n e a compresi3n de forma oral e escrita dun idioma estranxeiro
CT3	Valorar a importancia que ten a investigaci3n, a innovaci3n e o desenvolvemento tecnolóxico no avance socioeconómico e cultural da sociedade.
CT4	Asumir como profesional e cidadán a importancia da aprendizaxe ao longo da vida.
CT5	Valorar de forma crítica o coñecemento, a tecnoloxía e a informaci3n dispoñible para resolver os problemas cos que deben enfrontarse.
CT6	Entender a importancia da cultura emprendedora e coñecer os medios ao alcance das persoas emprendedoras.
CT7	Desenvolverse para o exercicio dunha cidadanía aberta, culta, crítica, comprometida, democrática e solidaria, capaz de analizar a realidade, diagnosticar problemas, formular e implantar soluci3ns baseadas no coñecemento e orientadas ao ben común.
CT8	Utilizar as ferramentas básicas das tecnoloxías da informaci3n e as comunicaci3ns (TIC) necesarias para o exercicio da súa profesi3n e para a aprendizaxe ao longo da súa vida.

Resultados de aprendizaxe

Learning outcomes	Competences
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Ser capaz de dirixir o Equipo do Proxecto	CG3 CG11 CG15 CE1 CT1 CT2 CT4 CT7 CT8
Ser capaz de establecer cada unha das fases dun plan de comunicación estratéxica	CG1 CG3 CG10 CG11 CE1 CT5 CT7 CT8
Ser capaz de coñecer as bases fundamentais da comunicación interpersonal e integral nas organizacións	CG2 CG3 CG7 CG8 CG11 CG15 CE1 CT2 CT3 CT6
Ser capaz de determinar os métodos de investigación empregados para a planificación da comunicación	CG3 CG9 CG11 CE1 CT3 CT5 CT7
Ser capaz de analizar como realizar o proceso de avaliación da comunicación, os métodos existentes e a explotación dos resultados	CG3 CG9 CG10 CG11 CE1 CT2 CT5 CT7
Ser capaz de desenvolver os aspectos esenciais da comunicación interna, entre outros, as variables que afectan á comunicación, o impacto sobre a estratexia da empresa, os tipos de comunicación interna, os recursos, vías e canles posibles, a súa utilización e adecuación	CG3 CG4 CG10 CG11 CE1 CT2 CT5 CT7
Ser capaz de analizar cada un dos criterios para o deseño adecuado dun plan de comunicación interna	CG1 CG3 CG9 CG10 CG11 CE1 CT1 CT4 CT7
Ser capaz de desenvolver aqueles aspectos determinantes para a xestión e avaliación das relacións coa prensa	CG1 CG3 CG7 CG9 CG11 CE1 CT3 CT5 CT7

Ser capaz de establecer a relación entre comunicación e xestión integral da excelencia empresarial (normas de calidade, mellores prácticas, etc.) e da xestión dos recursos humanos (plan de acollida, transmisión de noticias, xestión das emocións...).	CG3 CG7 CG8 CG11 CE1 CT3 CT6 CT8
Ser capaz de coñecer as novas tendencias de comunicación na empresa	CG2 CG3 CG9 CG11 CG15 CT4 CT5 CT6 CT7
Ser capaz de determinar en que consiste a Comunicación Estratéxica Internacional, as variables contextuais e os principios xenéricos que afectan o desenvolvemento das relacións públicas en escenarios internacionais.	CG3 CG11 CE1 CT4 CT7 CT8

Contidos

Topic	
Tema I. Desenvolvemento do plan de recursos humanos.	Os postos
Tema II. Adquirir o equipo de proxecto	A selección e recrutamento
Tema III. Desenvolver o equipo do proxecto	A coordinación do traballo
Tema IV. Dirixir o equipo do proxecto	O traballo en equipo
Tema V. A dirección de equipos de traballo	A dirección do equipo
Tema VI. A comunicación	A comunicación
Tema VII. Estratexias de comunicación	A comunicación: as súas estratexias
Tema VIII. Xestión das comunicacións do proxecto	A comunicación e a súa xestión
Tema IX. Estudo de casos sobre comunicación	Propostas prácticas

Planificación

	Class hours	Hours outside the classroom	Total hours
Presentación	8	7	15
Resolución de problemas	4	12.5	16.5
Estudo de casos	4	8	12
Debate	2	8	10
Lección maxistral	6	4	10
Exame de preguntas obxectivas	1	8	9
Resolución de problemas	0	15	15

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

Metodoloxía docente

	Description
Presentación	Posta en común e debate por parte dos alumnos e profesor dos traballos realizados seguindo as directrices do docente.
Resolución de problemas	Ao longo do curso propoñeranse exercicios que deberán resolverse de forma individual por parte de alumno.
Estudo de casos	Ao longo do curso preséntanse situacións problema que serán analizadas e estudadas por parte dos alumnos para propoñer solucións ao mesmo.
Debate	Sobre un tema proposto polo docente debaterase sobre o mesmo defendendo diferentes puntos de vista.
Lección maxistral	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.

Atención personalizada

Methodologies	Description
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Estudo de casos O alumno recibirá atención individualizada no horario de titorías establecido a tal fin durante o presente curso académico. Para a consulta do seu horario de titorías e lugar das mesmas deberase consultar a web do master: www.mdip.es

Avaliación			
	Description	Qualification	Evaluated Competences
Exame de preguntas obxectivas	Consta de 20 preguntas e resposta única sobre todos os contidos impartidos na asignatura.	80	
Resolución de problemas	Supostos practicos sobres os contidos impartidos na asignatura	20	

Other comments on the Evaluation

Bibliografía. Fontes de información

Basic Bibliography

Complementary Bibliography

Recomendacións

Subjects that continue the syllabus

Xestión dos Riscos do Proxecto e Adquisicións/P02M163V01108

Subjects that it is recommended to have taken before

Xestión da Calidade do Proxecto/P02M163V01106

IDENTIFYING DATA**Xestión dos Riscos do Proxecto e Adquisicións**

Subject	Xestión dos Riscos do Proxecto e Adquisicións			
Code	P02M163V01108			
Study programme	Máster Universitario en Dirección Integrada de Proxectos			
Descriptors	ECTS Credits	Type	Year	Quadmester
	6	Mandatory	1	An
Teaching language	Castelán			
Department	Departamento do Centro Universitario da Defensa da Escola Naval Militar de Marín Didácticas especiais Dpto. Externo			
Coordinator	Cancela Carral, José María			
Lecturers	Cancela Carral, José María Carreño Morales, Rafael María			
E-mail	chemacc@uvigo.es			
Web	http://www.mdip.es			
General description	Análise dos riscos vinculados ao desenvolvemento do proxecto e da planificación de adquisicións			

Competencias

Code
CG1 Capacidade de análise e síntese.
CG2 Capacidade de Organización e Planificación
CG3 Capacidade de Traballo en equipo
CG4 Capacidade de procura, análise e selección de información relevante
CG5 Capacidade de utilización e xestión da información
CG7 Orientación ao cliente
CG8 Capacidade de comunicación e motivación
CG9 Capacidade para a resolución de problemas
CG10Capacidade para a toma de decisións
CG11Capacidade para traballar nun equipo de carácter interdisciplinar
CG15Sensibilidade cara a temas de seguridade laboral, accesibilidade, sustentabilidade e medioambiente
CE1 Saber actuar como representantes do promotor do proxecto en todos os ámbitos de actuación do Director de Proxecto ou Project Manager.
CE17 Capacidade de planificar, executar e controlar a xestión dos riscos do proxecto
CE18 Capacidade de planificar, executar e controlar a xestión das adquisicións do proxecto
CE21 Capacidade para xestionar a obtención do resultado acorde aos criterios de prazo, custo e calidade, e do cliente
CT2 Dominar a expresión e a comprensión de forma oral e escrita dun idioma estranxeiro
CT3 Valorar a importancia que ten a investigación, a innovación e o desenvolvemento tecnolóxico no avance socioeconómico e cultural da sociedade.
CT4 Asumir como profesional e cidadán a importancia da aprendizaxe ao longo da vida.
CT5 Valorar de forma crítica o coñecemento, a tecnoloxía e a información dispoñible para resolver os problemas cos que deben enfrontarse.
CT6 Entender a importancia da cultura emprendedora e coñecer os medios ao alcance das persoas emprendedoras.
CT7 Desenvolverse para o exercicio dunha cidadanía aberta, culta, crítica, comprometida, democrática e solidaria, capaz de analizar a realidade, diagnosticar problemas, formular e implantar solucións baseadas no coñecemento e orientadas ao ben común.
CT8 Utilizar as ferramentas básicas das tecnoloxías da información e as comunicacións (TIC) necesarias para o exercicio da súa profesión e para a aprendizaxe ao longo da súa vida.

Resultados de aprendizaxe

Learning outcomes	Competences
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Ser capaz de comprender a estrutura de traballo de equipo como parte fundamental da dirección integrada de proxectos.	CG1 CG3 CG8 CG11 CE1 CT2 CT3 CT4
Ser capaz de identificar e definir riscos en proxectos.	CG1 CG4 CG9 CE17 CE18 CE21 CT4 CT7 CT8
Ser capaz de identificar e definir os procesos relacionados coa xestión de riscos.	CG1 CG2 CG4 CG9 CG10 CG15 CE17 CE18 CE21 CT2 CT4 CT7 CT8
Ser capaz de identificar normas e regulacións da dirección de proxecto relacionado con riscos.	CG1 CG4 CG5 CG10 CG15 CE17 CE18 CE21 CT2 CT4 CT6 CT7
Ser capaz de coñecer os fundamentos que sustentan a xestión de riscoss	CG1 CG8 CG9 CG10 CE17 CE18 CE21 CT2 CT4 CT6 CT8
Ser capaz de desenvolver habilidades para a adaptación a novas situacións e resolución de problemas, e para a aprendizaxe autónoma.	CG1 CG7 CG8 CG9 CE17 CE18 CE21 CT3 CT4 CT5 CT6

Contidos

Topic

Tema 1. Planificación da xestión de riscos A planificación

Tema 2. Análise cualitativa dos riscos	Parámetros cualitativos
Tema 3. Análise cuantitativa dos riscos	Parámetros
Tema 4. Planificación da resposta aos riscos	A resposta
Tema 5. Seguimento e control dos riscos	Seguimento e control
Tema 6. Adquisicións	Antecedentes
Tema 7. Planificación das Adquisicións.	O proceso
Tema 8. Planificación das Adquisicións	Planificación
Tema 9. Execución das Adquisicións	Execución
Tema 10. Técnicas de negociación	As negociacións
Tema 11. Administración das Adquisicións	As adquisicións
Tema 12. Peche das Adquisicións	Adquisicións

Planificación

	Class hours	Hours outside the classroom	Total hours
Resolución de problemas	10	20	30
Estudo de casos	10	25	35
Lección maxistral	20	50	70
Exame de preguntas obxectivas	1	4	5
Resolución de problemas	0	10	10

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

Metodoloxía docente

	Description
Resolución de problemas	Ao longo do curso propoñeranse exercicios que deberán resolverse de forma individual por parte de alumno.
Estudo de casos	Ao longo do curso preséntanse situacións problema que serán analizadas e estudadas por parte dos alumnos para propoñer solucións ao mesmo.
Lección maxistral	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.

Atención personalizada

Methodologies	Description
Resolución de problemas	O alumno recibirá atención individualizada no horario de titorías establecido a tal fin durante o presente curso académico. Para a consulta do seu horario de titorías e lugar das mesmas deberase consultar a web do master: www.mdip.es

Avaliación

	Description	Qualification	Evaluated Competences	
Exame de preguntas obxectivas	Consta de 20 preguntas e resposta única sobre todos os contidos impartidos na asignatura.	30	CG2 CG5 CG10	CT5
Resolución de problemas	Exercicios de xestión de riscos e adquisicións.	70	CG2 CG15	CT4

Other comments on the Evaluation

Bibliografía. Fontes de información

Basic Bibliography

Complementary Bibliography

Recomendacións

Subjects that continue the syllabus

Contorna Económica e Procedemento. Inicio do Proxecto/P02M163V01109

Subjects that it is recommended to have taken before

Xestión dos RR. HH. do Proxecto, as Comunicacións e Xestión dos Interesados/P02M163V01107

IDENTIFYING DATA**Contorna Económica e Procedemento. Inicio do Proxecto**

Subject	Contorna Económica e Procedemento. Inicio do Proxecto			
Code	P02M163V01109			
Study programme	Máster Universitario en Dirección Integrada de Proxectos			
Descriptors	ECTS Credits	Type	Year	Quadmester
	5	Optional	1	An
Teaching language	Castelán			
Department	Didácticas especiais Dpto. Externo			
Coordinator	Cancela Carral, José María			
Lecturers	Año Sanz, Vicente Blanco Pereira, Eduardo Cancela Carral, José María Gambau I Pinasa, Vicente Paris Roche, Fernando			
E-mail	chemacc@uvigo.es			
Web	http://www.mdip.es			
General description	Introducción a dirección e xestión dun proxecto no ámbito do ocio e do deporte			

Competencias

Code	
CB1	Posuír e comprender coñecementos que acheguen unha base ou oportunidade de ser orixinais no desenvolvemento e/ou aplicación de ideas, adoito nun contexto de investigación.
CB2	Que os estudantes saiban aplicar os coñecementos adquiridos e a súa capacidade de resolución de problemas en contornos novos ou pouco coñecidos dentro de contextos máis amplos (ou multidisciplinares) relacionados coa súa área de estudo.
CG1	Capacidade de análise e síntese.
CG2	Capacidade de Organización e Planificación
CG4	Capacidade de procura, análise e selección de información relevante
CG13	Capacidade de liderado, diálogo e negociación
CE1	Saber actuar como representantes do promotor do proxecto en todos os ámbitos de actuación do Director de Proxecto ou Project Manager.
CE20	Capacidade para aplicar os coñecementos adquiridos ao campo profesional no que desenvolve a súa actividade o Project Manager.
CE22	Hábitos de excelencia e compromiso ético no exercicio profesional do Project Manager.
CT5	Valorar de forma crítica o coñecemento, a tecnoloxía e a información dispoñible para resolver os problemas cos que deben enfrontarse.

Resultados de aprendizaxe

Learning outcomes	Competences
Ser capaz de comprender a estrutura de integración dentro dun proxecto.	CB1 CG1 CG2 CE20 CE22 CT5
Ser capaz de comprender a contorna do proxecto.	CB1 CG2 CG4 CE1 CT5

Ser capaz de identificar normas e regulacións da dirección de proxectos.	CB1 CG2 CG4 CE20 CE22 CT5
Ser capaz de coñecer os fundamentos que sustentan a dirección integrada de proxectos.	CB1 CG1 CG4 CG13 CE20 CE22 CT5
Ser capaz de desenvolver habilidades para a adaptación a novas situacións e resolución de problemas, e para a aprendizaxe autónoma.	CB1 CB2 CG2 CG4 CE22 CT5

Contidos

Topic	
Tema I.Introdución á dirección e xestión de proxectos deportivos.	A dirección e xestión dos proxectos deportivos
Tema II.Os proxectos deportivos: tipoloxía e clasificación dos proxectos nas organizacións deportivas.	Tipoloxía e clasificación dos proxectos deportivos
Tema III.As diferentes metodoloxías na dirección de proxectos	As diferentes metodolóxicas
Tema IV.Os procesos de INICIO nos proxectos deportivos	Os procesos de inicio nos proxectos deportivos
Tema V.A planificación do proxecto deportivo: os elementos do proxecto.	A planificación nos proxectos deportivos

Planificación

	Class hours	Hours outside the classroom	Total hours
Resolución de problemas	10	19	29
Estudo de casos	10	20	30
Lección maxistral	10	30	40
Traballo	0	15	15
Exame de preguntas obxectivas	1	10	11

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

Metodoloxía docente

	Description
Resolución de problemas	Ao longo do curso proporanse exercicios que deberán resolverse de forma individual por parte de alumno.
Estudo de casos	Ao longo do curso preséntanse situacións problema que serán analizadas e estudadas por parte dos alumnos para propor solucións ao mesmo.
Lección maxistral	Exposición por parte do profesor dos contidos sobre a materia *objecto de estudo, bases teóricas e/ou directrices do traballo, exercicio ou proxecto a desenvolver polo estudante.

Atención personalizada

Methodologies	Description
Estudo de casos	O alumno recibirá atención individualizada no horario de tutorías establecido a tal fin durante o presente curso académico. Para a consulta do seu horario de tutorías e lugar das mesmas deberase consultar a web do máster: www.mdip.es .

Avaliación

	Description	Qualification	Evaluated Competences
Traballo	Desenvolvemento de traballos e exercicios propostos polo docente.	70	

Other comments on the Evaluation

&*amp;*lt;*p&*amp;*gt;Será necesario superar ambas as probas para superar a materia&*amp;*lt;/*p&*amp;*gt;

Bibliografía. Fontes de información**Basic Bibliography****Complementary Bibliography**

Recomendacións**Subjects that continue the syllabus**

Xefatura e Xestión da Execución/P02M163V01110

Subjects that it is recommended to have taken before

Xestión dos Riscos do Proxecto e Adquisicións/P02M163V01108

IDENTIFYING DATA**Xefatura e Xestión da Execución**

Subject	Xefatura e Xestión da Execución			
Code	P02M163V01110			
Study programme	Máster Universitario en Dirección Integrada de Proxectos			
Descriptors	ECTS Credits	Type	Year	Quadmester
	3	Optional	1	An
Teaching language	Castelán			
Department				
Coordinator	Cancela Carral, José María			
Lecturers	Cancela Carral, José María			
E-mail	chemacc@uvigo.es			
Web	http://www.mdip.es			
General description	Análise e estudo das diferentes fases na execución dun proxecto deportivo/ e de sistemas de ingeniería			

Competencias

Code	
CB2	Que os estudantes saiban aplicar os coñecementos adquiridos e a súa capacidade de resolución de problemas en contornos novos ou pouco coñecidos dentro de contextos máis amplos (ou multidisciplinares) relacionados coa súa área de estudo.
CB4	Que os estudantes saiban comunicar as súas conclusións, e os coñecementos e razóns últimas que as sustentan, a públicos especializados e non especializados dun xeito claro e sen ambigüidades.
CG1	Capacidade de análise e síntese.
CG2	Capacidade de Organización e Planificación
CE8	Capacidade de organización e planificación as diferentes fases dun proxecto.
CE19	Capacidade para a redacción do proxecto así como para a súa comunicación de forma convincente, clara, concisa e sen ambigüidades
CE22	Hábitos de excelencia e compromiso ético no exercicio profesional do Project Manager.
CT5	Valorar de forma crítica o coñecemento, a tecnoloxía e a información dispoñible para resolver os problemas cos que deben enfrontarse.

Resultados de aprendizaxe

Learning outcomes	Competences
O estudante será capaz de comprender a estrutura de traballo de equipo como parte fundamental da dirección integrada de proxectos, identificando e solucionando a problemática que xera o traballo en equipo	CB2 CG1 CG2 CE8 CE22 CT5
O estudante será capaz de definir e comprender os procesos de execución e identificar as características da execución do proxecto	CB2 CG1 CG2 CE8 CE22 CT5
O estudante será capaz de identificar a responsabilidade e cualidades do director do proxecto, así como de desenvolver e utilizar os recursos do director durante a execución do proxecto	CB2 CG1 CG2 CE19 CT5
O estudante será capaz de levar a cabo o grupo de procesos de execución dun proxecto.	CB2 CG1 CG2 CE8 CE22 CT5

Desenvolver habilidades para a adaptación a novas situacións e resolución de problemas, e para a aprendizaxe autónoma.

CB4
CG1
CG2
CE8
CE19
CT5

Contidos

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

Planificación

	Class hours	Hours outside the classroom	Total hours
Lección maxistral	10	10	20
Resolución de problemas de forma autónoma	4	4	8
Resolución de problemas	10	8	18
Presentación	6	2	8
Debate	5	0	5
Resolución de problemas	10	0	10
Exame de preguntas obxectivas	1	5	6

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

Metodoloxía docente

	Description
Lección maxistral	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.
Resolución de problemas de forma autónoma	Ao longo do curso propoñeranse exercicios que deberán resolverse de forma individual por parte de alumno.
Resolución de problemas	Ao longo do curso propoñeranse exercicios que deberán resolverse de forma colectiva por parte dos alumnos.
Presentación	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.

Atención personalizada

Methodologies	Description
Resolución de problemas de forma autónoma	
Presentación	

Avaliación

	Description	Qualification	Evaluated Competences	
Resolución de problemas	(*)Exercicios de dirección: Exercicios de traballo en equipo Exercicios de procesos de execución Exercicios do deseño do *minutaxe dun proxecto.	30		
Exame de preguntas obxectivas	(*)Consta de 20 preguntas e resposta única sobre todos os contidos impartidos na materia.	70	CB2 CB4	CE8 CE19

Other comments on the Evaluation

Bibliografía. Fontes de información

Basic Bibliography

Complementary Bibliography

IDENTIFYING DATA**Seguemento e Control. Manuais de Procedemento**

Subject	Seguemento e Control. Manuais de Procedemento			
Code	P02M163V01111			
Study programme	Máster Universitario en Dirección Integrada de Proxectos			
Descriptors	ECTS Credits	Type	Year	Quadmester
	3	Optional	1	An
Teaching language				
Department				
Coordinator	Cancela Carral, José María			
Lecturers	Cancela Carral, José María			
E-mail	chemacc@uvigo.es			
Web				
General description				

Competencias

Code

Resultados de aprendizaxeLearning outcomes Competences**Contidos**

Topic

Planificación

	Class hours	Hours outside the classroom	Total hours
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*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Metodoloxía docente

Description

Atención personalizada**Avaliación**Description Qualification Evaluated Competences**Other comments on the Evaluation****Bibliografía. Fontes de información****Basic Bibliography****Complementary Bibliography****Recomendacións**

IDENTIFYING DATA**(*)Xefatura e Xestión do Proxecto**

Subject	(*)Xefatura e Xestión do Proxecto			
Code	P02M163V01112			
Study programme	(*)Máster Universitario en Dirección Integrada de Proxectos			
Descriptors	ECTS Credits	Type	Year	Quadmester
	3	Optional	1st	An
Teaching language	Spanish			
Department	Special Didactics External			
Coordinator	García García, Óscar			
Lecturers	García García, Óscar Manuel I Gutierrez, Pere			
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			

Competencies

Code	
CB2	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.
CB4	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.
CG3	Capacity of Work in team
CG6	Orientation to results
CG7	Orientation to the customer
CG8	Capacity of communication and motivation
CG9	Capacity for the resolution of problems
CG10	Capacity for the taking of decisions
CG11	Capacity to work in a team of character interdisciplinary
CG13	Capacity of leadership, dialogue and negotiation
CE1	Know act like representatives of the promoter of the project in all the fields of performance of the Director of Project or Project Manager.
CE3	Know initiate, schedule, direct, control and close Projects of Leisure and Sport in the speciality of Leisure and sport
CE22	Habits of excellence and ethical commitment in the professional exercise of the Project Manager.
CT5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.
CT6	Understand the importance of the culture enterprising and know the means near at hand of the people enterprise.
CT8	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.

Learning outcomes

Learning outcomes	Competences
The student will be able to comprise the structure of work of team like fundamental part of the integrated direction of projects, identifying and solving the problematic that generates the work in team	CG3 CG11 CG13 CE1 CE22 CT6
The student will be able to define and comprise the processes of execution and identify the characteristics of the execution of the project.	CB2 CE1 CE3 CE22 CT5 CT6

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	CB2 CG6 CG7 CG8 CG9 CG10 CG13 CE1 CE3 CE22 CT5 CT6 CT8
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The student will be able to carry out the group of processes of execution of a project.	CB2 CB4 CE3 CT5 CT6 CT8
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Develop skills for the adaptation to new situations and resolution of problems, and for the autonomous learning.	CB2 CG8 CG9 CG10 CG13 CE3 CE22
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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 sport of projects of leisure and sport of similar nature
Subject III. The group of processes of execution	Processes involved Relation of the processes of execution with the different areas of knowledge Processes involved according to PMBok, Prince2, ICB3.0 and ISO 21500 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	7	15
Problem solving	4	8	12
Case studies	4	8	12
Debate	2	8	10
Lecturing	6	4	10
Problem solving	0	10	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
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.
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 attention

Methodologies Description

Problem solving	In the schedule of *tutorias will resolve concrete doubts on the exercises, cases and explanations realised during the classes.
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Assessment

	Description	Qualification	Evaluated	Competences
Problem solving	Exercises of the director	30	CB2 CG3	CT8
	Exercises of work in team		CB4 CG8	
	Exercises of processes of execution		CG9	
	Exercises of the design of the minute by minute of a project.		CG11 CG13	
Objective questions exam	It consists of 20 questions and only answer on all the contents given in the subject.	70	CG6 CG7 CG10	CE1 CE3 CE2

Other comments on the Evaluation

It is necessary to surpass both 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 21500:2013. Directrices para la gestión y dirección de proyectos.**, Asociación Española de Normalización y Certificaci, 2013

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

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

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

Complementary Bibliography

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

(*)Seguemento, Control e Peche do Proxecto/P02M163V01113

Subjects that it is recommended to have taken before

(*)Ciclo de Vida e Normas do Proxecto/P02M163V01102

(*)Contorna Económica e Procedemento. Inicio do Proxecto/P02M163V01109

(*)Xestión da Calidade do Proxecto/P02M163V01106

(*)Xestión da Integración e do Alcance/P02M163V01103

(*)Xestión dos Custos do Proxecto/P02M163V01105

(*)Xestión dos Riscos do Proxecto e Adquisicións/P02M163V01108

(*)Xestión dos RR. HH. do Proxecto, as Comunicaci3ns e Xestión dos Interesados/P02M163V01107

(*)Xestión do Tempo do Proxecto/P02M163V01104

(*)Marco Conceptual da DIP/P02M163V01101

IDENTIFYING DATA**(*)Seguemento, Control e Peche do Proxecto**

Subject	(*)Seguemento, Control e Peche do Proxecto			
Code	P02M163V01113			
Study programme	(*)Máster Universitario en Dirección Integrada de Proxectos			
Descriptors	ECTS Credits	Type	Year	Quadmester
	3	Optional	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	(*)Análise dos pasos a seguir no seguimento e control dun proxecto			

Competencies

Code	
CB4	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.
CG1	Capacity of analysis and synthesis.
CG2	Capacity of Organisation and Planning
CG13	Capacity of leadership, dialogue and negotiation
CE8	Capacity of organisation and planning the different phases of a project.
CE20	Capacity to apply the knowledges purchased to the professional field in which it develops his activity the Project Manager.
CE21	Capacity to manage the obtaining of the resulted chord to the criteria of term, cost and quality, and of the customer
CE22	Habits of excellence and ethical commitment in the professional exercise of the Project Manager.
CT5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.
CT8	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.

Learning outcomes

Learning outcomes	Competences
Be able to develop skills of leadership, interpersonal relation and work in team	CB4 CG13 CE22 CT5 CT8
Be able to comprise the structure of work of team like fundamental part of the integrated direction of projects.	CG1 CG2 CE8 CE20 CT5
Be able to comprise the plan of control and follow-up of the project	CB4 CG1 CG2 CE8 CE20 CT5
Be able to define, comprise and identify the processes of follow-up and control of the project.	CG1 CG2 CG13 CE8 CE20 CT5

Be able to define, comprise and identify the processes of closing of the project	CB4 CG1 CG2 CE8 CE21 CT5
Be able to develop and use the means like director of the project for the control and follow-up of the project	CG1 CG2 CG13 CE8 CE20 CE21 CT5
Be able to develop skills for the adaptation to new situations and resolution of problems, and for the autonomous learning.	CG1 CG2 CG13 CE8 CE20 CE21 CT5
Be able to develop tools of follow-up and control.	CG1 CG2 CE8 CE20 CE22 CT5

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 Processes of follow-up and control (*PMboK)
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	20	10	30
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.

Personalized attention

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	Evaluated Competences
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.	20	
Objective questions exam	Examination type test where will evaluate the contents given	80	

Other comments on the Evaluation

All the *alumnado, assist or no to the classrooms, have right to be evaluated (by means of an examination or in the way in that it establish in the educational guide)&*nbsp;Is necessary to assist at least to 80% of the face-to-face classes and surpass both proofs (resolution of exercises and examination type test) to obtain a positive final qualification in the matter.&*nbsp;The students no assistants &*nbsp;they will have to deliver the exercises realised in class and will incorporate in the examination one or several questions of development or of resolution of exercises in addition to the type test.In case of not having surpassed the matter in the first announcement, the no purchased competitions will be evaluated in the announcement of July from an examination type test.&*nbsp;The dates of the examinations can consult in the web of the *Máster www.mdip.es

Sources of information

Basic Bibliography

Project Management Institute, **A Guide to the Project Management Body of Knowledge (PMBOK® Guide)**, 5, Project Management Institute, 2013

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

(*)Necesidades e Tecnologías dos Sistemas de Información/P02M163V01114

Subjects that it is recommended to have taken before

(*)Xefatura e Xestión do Proxecto/P02M163V01112

IDENTIFYING DATA**(*)Necesidades e Tecnoloxías dos Sistemas de Información**

Subject	(*)Necesidades e Tecnoloxías dos Sistemas de Información			
Code	P02M163V01114			
Study programme	(*)Máster Universitario en Dirección Integrada de Proxectos			
Descriptors	ECTS Credits	Type	Year	Quadmester
	5	Optional	1st	An
Teaching language	Spanish			
Department	Systems Engineering and Automatismos			
Coordinator	Sáez López, Juan			
Lecturers	Sáez López, Juan			
E-mail	juansaez@uvigo.es			
Web	http://www.mdip.es			
General description	(*)Formulación da Enxeñaría de Sistemas para o desenvolvemento de proxectos e a integración dos sistemas de información industrial			

Competencies

Code	
CB2	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.
CG1	Capacity of analysis and synthesis.
CG2	Capacity of Organisation and Planning
CE20	Capacity to apply the knowledges purchased to the professional field in which it develops his activity the Project Manager.
CE21	Capacity to manage the obtaining of the resulted chord to the criteria of term, cost and quality, and of the customer
CT5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.

Learning outcomes

Learning outcomes	Competences
Be Able to identify the data and technologies that need integrate in a system of information so that it offer *interfaces stop all the aspects of information required	CB2 CG1 CG2 CE20 CE21 CT5

Contents

Topic	
Subject 1. Current surroundings and Definition of engineering of systems	The concept
Subject 4.The process of engineering of systems	The engineering of systems
Subject 5. Integration of the systems of information.	The integration
(*)Tema 4. Arquitecturas básicas de automatización industrial	(*)sensores e actuadores buses de campo equipos de control IHM e SCADA comunicaciones industriais
(*)Tema 5. sistemas automáticos de manutención	(*)Manutención industrial Transportes automáticos Almacenaje automático Manipulación automática

Planning

	Class hours	Hours outside the classroom	Total hours
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Lecturing	30	0	30
Problem solving	27	0	27
Case studies	24	0	24
Supervised work	12	0	12
Problem solving	30	0	30
Short answer tests	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 contained envelope to subject *objecto of study, theoretical bases and/or guidelines of the work, exercise or project to develop pole student.
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.
Supervised work	Individual works or grupal tutor put professor.

Personalized attention

Tests	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	Evaluated Competences	
Problem solving	Resolution of problems/geared exercises teaching pole	50	CG1	CE20 CE21
Short answer tests	Short questions envelope the contents of the subject	50	CG1 CG2	CE20 CE21

Other comments on the Evaluation

Sources of information

Basic Bibliography

Complementary Bibliography

Robert S. Kaplan y David P. Norton, **Strategy MAPS**, 1ª Edición, Harvard Business School Press, 2004

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

George M. Marakas, **Modern Data Warehousing, Mining, and Visualization**,

Recommendations

Subjects that continue the syllabus

(*)Xestión dun Proxecto TIC/P02M163V01115

Subjects that it is recommended to have taken before

(*)Seguemento, Control e Peche do Proxecto/P02M163V01113

IDENTIFYING DATA**(*)Xestión dun Proxecto TIC**

Subject	(*)Xestión dun Proxecto TIC			
Code	P02M163V01115			
Study programme	(*)Máster Universitario en Dirección Integrada de Proxectos			
Descriptors	ECTS Credits	Type	Year	Quadmester
	3	Optional	1st	An
Teaching language	Spanish			
Department				
Coordinator	Álvarez Bermúdez, Xana			
Lecturers	Álvarez Bermúdez, Xana Barcia Dopazo, Gustavo Valentín			
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.			

Competencies

Code	
CB2	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.
CG1	Capacity of analysis and synthesis.
CG2	Capacity of Organisation and Planning
CG4	Capacity of research, analysis and selection of notable information
CE20	Capacity to apply the knowledges purchased to the professional field in which it develops his activity the Project Manager.
CT5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.

Learning outcomes

Learning outcomes	Competences
Be able to identify and define a project.	CB2 CG1 CG2 CE20 CT5
Be able to identify and define the processes of a project.	CB2 CG1 CG2 CG4 CT5
Be able to comprise the structure of integration inside a project	CB2 CG1 CG2 CG4 CT5
Be able to comprise the surroundings of the project.	CG1 CG2 CG4 CT5
Be able to develop skills for the adaptation to new situations and resolution of problems, and for the autonomous learning.	CB2 CG2 CG4 CE20 CT5

Contents

Topic	
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Subject 1. Introduction to the spatial dimension of His conceptualización the project.

Subject 3. Management of the integration	The integration
Subject 4. Management of Scope	THE scope
Subject 5. Management of Time	The Time
Subject 6. Cycle of life of product in sector.	The cycle of life
Subject 7. TIC environmental projects management.	Reduccions Of CO2, energetic savings and of costs
Subject 8. Study cases	Real projects
(*)Tema 8. Casos de estudio	(*)Proxectos reales

Planning

	Class hours	Hours outside the classroom	Total hours
Lecturing	20	0	20
Autonomous problem solving	18	5	23
Case studies	20	0	20
Short answer tests	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
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.
Autonomous 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 even.

Personalized attention

Tests Description

Essay The student will receive attention individual in the schedule of tutoresetablished the such end during the present academic course. For the query of his schedule of tutor and place of the same has to consult the web of the máster: www.mdip.es

Assessment

	Description	Qualification	Evaluated	Competences
Short answer tests	Questions of short answer on the contended of the matter	50	CB2 CG2 CG4	CE20
Essay	Resolution of problems proposed by the educational	50	CG1	CT5

Other comments on the Evaluation

Sources of information

Basic Bibliography

Complementary Bibliography

Recommendations

IDENTIFYING DATA**(*)Estándares para a Xestión de Proxectos TIC**

Subject	(*)Estándares para a Xestión de Proxectos TIC			
Code	P02M163V01116			
Study programme	(*)Máster Universitario en Dirección Integrada de Proxectos			
Descriptors	ECTS Credits	Type	Year	Quadmester
	3	Optional	1st	An
Teaching language	Spanish			
Department	External Materials Engineering, Applied Mechanics and Construction			
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.			

Competencies

Code	
CB2	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.
CB4	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.
CG4	Capacity of research, analysis and selection of notable information
CG5	Capacity of utilisation and management of the information
CE1	Know act like representatives of the promoter of the project in all the fields of performance of the Director of Project or Project Manager.
CE19	Capacity for the editorial of the project as well as for his communication of form convincing, clear, concise and without ambiguities
CT5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.

Learning outcomes

Learning outcomes	Competences
Be able to identify the basic concepts of the Processes of Information in the Companies and of the different methodologies and standard.	CB2 CB4 CG4 CE1 CE19 CT5
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.	CB2 CG4 CE1 CE19
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.	CB2 CB4 CE1 CT5
Be able to develop skills of presentation and of work in team.	CB2 CB4 CE1 CE19 CT5

Be able to develop skills for the adaptation to new situations and resolution of problems, and for the autonomous learning.	CB2 CG4 CG5 CE19 CT5
Be able to relate between the basic concepts and the criterion of business decision with regard to the investments.	CB4 CG4 CE19 CT5

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 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 attention

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
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Assessment

	Description	Qualification	Evaluated Competences
Problem solving	Analysis and resolution of problems proposed teaching pole	20	CB2 CB4 CE19 CT5
Essay	Manufacture and delivery of works following the indications of the teacher	80	CB4 CE1 CE19

Other comments on the Evaluation

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

(*)Xestión dun Proxecto TIC/P02M163V01115

IDENTIFYING DATA**Prácticas en Empresas**

Subject	Prácticas en Empresas			
Code	P02M163V01117			
Study programme	Máster Universitario en Dirección Integrada de Proxectos			
Descriptors	ECTS Credits	Type	Year	Quadmester
	6	Mandatory	1	An
Teaching language	Castelán			
Department	Didácticas especiais			
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)			

Competencias

Code	
CG1	Capacidade de análise e síntese.
CG2	Capacidade de Organización e Planificación
CG9	Capacidade para a resolución de problemas
CG11	Capacidade para traballar nun equipo de carácter interdisciplinar
CG12	Capacidade para traballar nun contexto internacional
CG13	Capacidade de liderado, diálogo e negociación
CG14	Motivación pola calidade
CG15	Sensibilidade cara a temas de seguridade laboral, accesibilidade, sustentabilidade e medioambiente
CE1	Saber actuar como representantes do promotor do proxecto en todos os ámbitos de actuación do Director de Proxecto ou Project Manager.
CE2	Saber iniciar, planificar, dirixir, controlar e pechar Proxectos de Edificación e Desenvolvemento Territorial na especialidade de Edificación e Desenvolvemento Territorial
CE3	Saber iniciar, planificar, dirixir, controlar e pechar Proxectos de Lecer e Deporte na especialidade de Lecer e deporte
CE4	Saber iniciar, planificar, dirixir, controlar e pechar Proxectos de Sistemas de Información na especialidade de Sistemas de Información.
CT1	Expresarse correctamente, tanto de forma oral como escrita, nas linguas oficiais da comunidade autónoma.
CT2	Dominar a expresión e a comprensión de forma oral e escrita dun idioma estranxeiro
CT3	Valorar a importancia que ten a investigación, a innovación e o desenvolvemento tecnolóxico no avance socioeconómico e cultural da sociedade.
CT4	Asumir como profesional e cidadán a importancia da aprendizaxe ao longo da vida.
CT5	Valorar de forma crítica o coñecemento, a tecnoloxía e a información dispoñible para resolver os problemas cos que deben enfrontarse.
CT6	Entender a importancia da cultura emprendedora e coñecer os medios ao alcance das persoas emprendedoras.
CT8	Utilizar as ferramentas básicas das tecnoloxías da información e as comunicacións (TIC) necesarias para o exercicio da súa profesión e para a aprendizaxe ao longo da súa vida.

Resultados de aprendizaxe

Learning outcomes	Competences
Ser capaz de definir as actividades integrantes dun proxecto	CG2 CG9 CG14 CG15 CE2 CE3 CE4 CT1 CT2 CT3 CT5 CT8

Ser capaz de adquirir destrezas e actitudes vinculadas á xestión de proxectos	CG1 CG2 CG11 CG12 CG15 CE1 CE2 CE4 CT1 CT2 CT3 CT4 CT5 CT6 CT8
Ser capaz de adquirir condutas de respecto e axuda.	CG11 CG12 CG13 CG14 CG15 CE1 CT5 CT6
Ser capaz de elaborar unha memoria de practicas que reflicta as diferentes fases da xestión dun proxecto e a súa vinculación coas metodoloxías desenvolvida no Máster.	CG1 CG2 CG9 CG15 CE1 CE2 CE3 CE4 CT1 CT2 CT3 CT4 CT5

Contidos

Topic	
Tema I. As prácticas externas como primeiro contacto co campo profesional na gestion integral de proxectos.	A normativa
Tema II. Contextualización das prácticas: descrición da empresa/ institución ou servizo.	A empresa. Características e proxectos
Tema III. Elaboración da memoriasde Practicas seguindo as directrices do documento elaborado para tal fin.	As súa estrutura e función

Planificación

	Class hours	Hours outside the classroom	Total hours
Prácticas externas	0	130	130
Lección maxistral	5	0	5
Traballo	0	15	15

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

Metodoloxía docente

	Description
Prácticas externas	Elaboración dunha memoria de practicas seguindo as pautas establecidas na normativa
Lección maxistral	Exposición oral con apoio audiovisuais dos contidos da materia objeto de estudo, bases teóricas e/ou directrices do traballo, exercicio ou proxecto a desenvolver polo estudante.

Atención personalizada

Methodologies	Description
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Prácticas externas O alumno recibirá atención individualizada no horario de titorías establecido a tal fin durante o presente curso académico. Para a consulta do seu horario de titorías e lugar das mesmas deberase consultar a web do master: www.mdip.es

Avaliación

Description	Qualification	Evaluated	Competences
TraballoValoración da memoria final e o Traballo achego presentado polo alumno correspondente á fase de desenvolvemento do proxecto.	100		

Other comments on the Evaluation

Bibliografía. Fontes de información**Basic Bibliography**

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

Complementary Bibliography

Recomendacións

Subjects that it is recommended to have taken before

Ciclo de Vida e Normas do Proxecto/P02M163V01102

Marco Conceptual da DIP/P02M163V01101

IDENTIFYING DATA**(*)Traballo Fin de Máster**

Subject	(*)Traballo Fin de Máster			
Code	P02M163V01118			
Study programme	(*)Máster Universitario en Dirección Integrada de Proxectos			
Descriptors	ECTS Credits	Type	Year	Quadmester
	10	Mandatory	1st	An
Teaching language	Spanish			
Department	Special Didactics			
Coordinator	Cancela Carral, José María García García, Óscar			
Lecturers	Cancela Carral, José María García García, Óscar			
E-mail	chemacc@uvigo.es oscargarcia@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.			

Competencies

Code	
CB1	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.
CB2	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.
CB3	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.
CB4	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.
CB5	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.
CG1	Capacity of analysis and synthesis.
CG2	Capacity of Organisation and Planning
CG4	Capacity of research, analysis and selection of notable information
CG5	Capacity of utilisation and management of the information
CE1	Know act like representatives of the promoter of the project in all the fields of performance of the Director of Project or Project Manager.
CE5	Identify and comprise the interaction between the groups of processes that carry out in the surroundings of the Project Manager.
CE19	Capacity for the editorial of the project as well as for his communication of form convincing, clear, concise and without ambiguities
CE21	Capacity to manage the obtaining of the resulted chord to the criteria of term, cost and quality, and of the customer
CE22	Habits of excellence and ethical commitment in the professional exercise of the Project Manager.
CT1	Express properly, so much of oral form as written, in the official tongues of the autonomous community.
CT4	Assume like professional and citizen the importance of the learning along the life.
CT5	Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront.
CT6	Understand the importance of the culture enterprising and know the means near at hand of the people enterprise.
CT7	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.
CT8	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.

Learning outcomes

Learning outcomes	Competences
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The student will be able to elaborate an original project, develop it, and create the tools of follow-up and necessary control	CB1 CB2 CB3 CB5 CG1 CG2 CG4 CG5 CE5 CE19 CE21 CE22 CT4 CT5 CT6 CT7 CT8
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The student will be able to present his project, explain it of concrete form and defend it	CB4 CB5 CE1 CE19 CE22 CT1 CT4 CT5 CT6 CT7 CT8
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Contents

Topic

The work will consist in the Analysis, 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

académicamente directed by a professor/to of the following 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
Supervised 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
Supervised work	Attendance at tutorials to oversee and guide the development of the Master Final Project

Personalized attention

Methodologies Description

Supervised 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	Evaluated	Competences
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<p>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.</p> <p>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.</p> <p>The appearances to value to assign the qualification of each Project will be the following:</p> <p>Content, organization and editorial of the corresponding memory.</p> <p>Quality and adjust to the methodology DIP or ágil of the project presented.</p> <p>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.</p> <p>Quality of the oral exhibition and of the answers to the questions posed by the members of the court</p>	<p>100</p>	<p>CB1 CG1 CE1 CT1 CB2 CG2 CE5 CT4 CB3 CG4 CE19 CT5 CB4 CG5 CE21 CT6 CB5 CE22 CT7 CT8</p>
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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

Recommendations

Subjects that it is recommended to have taken before

- (*)Ciclo de Vida e Normas do Proxecto/P02M163V01102
- (*)Contorna Económica e Procedemento. Inicio do Proxecto/P02M163V01109
- (*)Xestión da Calidade do Proxecto/P02M163V01106
- (*)Xestión da Integración e do Alcance/P02M163V01103
- (*)Xestión dos Custos do Proxecto/P02M163V01105
- (*)Xestión dos Riscos do Proxecto e Adquisicións/P02M163V01108
- (*)Xestión dos RR. HH. do Proxecto, as Comunicaci3ns e Xestión dos Interesados/P02M163V01107
- (*)Xestión do Tempo do Proxecto/P02M163V01104
- (*)Xefatura e Xestión da Execuci3n/P02M163V01110
- (*)Xefatura e Xestión do Proxecto/P02M163V01112
- (*)Marco Conceptual da DIP/P02M163V01101
- (*)Seguemento, Control e Peche do Proxecto/P02M163V01113