



(*)Facultade de Ciencias da Educación e do Deporte

Máster Universitario en Dirección Integrada de Proyectos

Subjects

Year 1st

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

| IDENTIFYING DATA | | | | |
|--------------------------|--|-----------|------|------------|
| DIP Conceptual Framework | | | | |
| Subject | DIP Conceptual Framework | | | |
| Code | P02M163V01101 | | | |
| Study programme | Máster Universitario en Dirección Integrada de Proyectos | | | |
| Descriptors | ECTS Credits | Choose | Year | Quadmester |
| | 3 | Mandatory | 1st | An |
| Teaching language | Spanish | | | |
| Department | | | | |
| Coordinator | García García, Óscar | | | |
| Lecturers | García García, Óscar | | | |
| E-mail | oscargarcia@uvigo.es | | | |
| Web | http://www.mdip.es | | | |
| General description | Will carry out the conceptualization of the methodology in Integrated Direction of Projects, analysing the structure, foundations and context of the same. | | | |

Training and Learning Results

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

Expected results from this subject

| Expected results from this subject | Training and Learning Results | | | |
|--|-------------------------------|-----------|-----|----|
| The student will be able to identify and define a project. | A2 | B4 B9 | C19 | |
| The student will be able to identify and define the processes of a project. | A1 A2 | B4 | C8 | |
| The student will be able to comprise the structure of integration of the processes inside a project. | A1 A2 | B2 B5 | C19 | |
| The student will be able to comprise as it affects the surroundings to the development of the project. | A2 | B1 B13 | C8 | |
| The student will be able to identify norms and regulations of the direction of projects. | A2 | B4 B5 | C8 | |
| The student will be able to know the foundations that *sustentan the integrated direction of projects. | A1 | B5 | | D5 |
| The student will be able to develop skills for the adaptation to new situations and resolution of problems, and for the autonomous learning. | A1 | B1 B9 | C19 | D5 |

Contents

| | |
|---|---|
| Topic | |
| Subject I. Definition and identification of the project | Definition of Characteristic project of the project Terminology used |

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

Planning

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

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

Methodologies

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

Personalized assistance

Methodologies Description

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

Assessment

| | Description | Qualification | Training and Learning Results | | |
|--------------------------|---|---------------|-------------------------------|----------|----|
| Objective questions exam | It consists of 20 questions and only answer on all the contents given in the subject. | 30 | A1 A2 | B4 B5 | D5 |

| | | | | |
|-------|--|----|-----------------------|-----------|
| Essay | Brief works in base to the contents given in the matter. | 30 | B1 B2 B9 B13 | C8 C19 |
| Essay | Work on the structure of the predictive and agile projects | 40 | B1 B2 B9 B13 | C8 C19 |

Other comments on the Evaluation

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

Sources of information

Basic Bibliography

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

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

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

Susan Tuttle, **PRINCE 2 In Action**, IT Gobernance, 2018

Complementary Bibliography

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

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

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

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

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

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

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

Recommendations

Subjects that continue the syllabus

Life Cycle and Project Standards/P02M163V01102

Project Integration and Scope Management/P02M163V01103

| IDENTIFYING DATA | | | | |
|---|---|-----------|------|------------|
| Life Cycle and Project Standards | | | | |
| Subject | Life Cycle and Project Standards | | | |
| Code | P02M163V01102 | | | |
| Study programme | Máster Universitario en Dirección Integrada de Proyectos | | | |
| Descriptors | ECTS Credits | Choose | Year | Quadmester |
| | 3.5 | Mandatory | 1st | An |
| Teaching language | Spanish | | | |
| Department | | | | |
| Coordinator | Cancela Carral, José María | | | |
| Lecturers | Cancela Carral, José María Cerqueiro Pequeño, Jorge | | | |
| E-mail | chemacc@uvigo.es | | | |
| Web | http://www.mdip.es | | | |
| General description | Analysis of the phases of the life cycle of projects and standards that support | | | |

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

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

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

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

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

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

Personalized assistance

Tests Description

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

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

Other comments on the Evaluation

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

Sources of information

Basic Bibliography

García García, O. y Serrano Gómez, V., **El ciclo de vida del proyecto. Del proyecto al producto**, 1ª, UDC, 2009
Project Management Institute, **Fundamentos de la Dirección de Proyectos**, 1ª, PMI, 2008

Complementary Bibliography

Kerzner, H., **Project Management: A Systems Approach to Planning, Scheduling, and Controlling**, 1ª, John Wiley & 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 público privada**, 1ª, asociación LUGH de directores de proyecto, 2008

Recommendations

Subjects that continue the syllabus

Project Integration and Scope Management/P02M163V01103

Subjects that it is recommended to have taken before

DIP Conceptual Framework/P02M163V01101

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

Training and Learning Results

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

Expected results from this subject

| Expected results from this subject | Training and Learning Results | | | |
|--|-------------------------------|----------------|-----------|----------|
| The student will be able to comprise the structure of integration inside a project, relating all the areas of knowledge in the plan of management | A2 | B2 | C5 C8 | D5 |
| The student will be able to comprise the importance of the Record of Constitution, of the management of the change and of the closing of the project | A1 A2 | B1 B2 B4 | C5 C8 | D5 |
| The student will be able to know and use the basic tools of taking of requirements and of control of the scope of a project | A2 | B1 B4 B9 | C5 C21 | D5 |
| The student will be able to define the scope of a project, knowing the difference between the scope of the product and of the project | A1 A2 | B2 B4 | C5 C8 | D5 D8 |

The student will be able to develop a structure of breakdown of work (*EDT) for the project

B2 C8 D7
B4 C19 D8
B5

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 Tools project | |
| Subject VII. The Definition of the scope of a project | Practical examples and documents |
| Subject VIII. Creation of the structure of breakdown of the work (EDT) of a project step by step | Practical examples and Exercises |
| Subject IX. The Verification of the scope of a project. | The feasibility of the aims of the project |
| Subject X. The control of the scope of a project | The start of the triple restriction |

Planning

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

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

Methodologies

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

Personalized assistance

Methodologies Description

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

Assessment

| | Description | Qualification | Training | Learning | Results |
|-------|---|---------------|----------|----------------|-----------------|
| Essay | Works tutored, following the marked guidelines by the educational | 30 | A1 A2 | B2 B4 B9 | C8 C21 D5 |

| | | | | | | |
|--------------|---|----|----|----|-----|----|
| Presentation | Presentation, defence and debate of the work realized | 40 | | B1 | C5 | D7 |
| Essay | It will consist in managing the scope of a project | 30 | A1 | B5 | C19 | D8 |
| | | | | B2 | C8 | D7 |
| | | | | B4 | C21 | |
| | | | | B9 | | |

Other comments on the Evaluation

The student must pass all three tests to pass the subject. The student who does not develop all the proposed works and presentations must take the official exams, which will have a value of 100%. The exam will be multiple choice with 30 single-answer questions. In case of not having passed the subject in the first call, the skills not acquired will be evaluated in the July call through the same type of tests (multiple test). The official dates of the exams can be consulted on the Master's website www.mdip.es

Sources of information

Basic Bibliography

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

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

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

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

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

Complementary Bibliography

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

Recommendations

Subjects that continue the syllabus

Project Time Management/P02M163V01104

Subjects that it is recommended to have taken before

Life Cycle and Project Standards/P02M163V01102

DIP Conceptual Framework/P02M163V01101

IDENTIFYING DATA

Project Time Management

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

Training and Learning Results

Code

Expected results from this subject

| | |
|------------------------------------|-------------------------------|
| Expected results from this subject | Training and Learning Results |
|------------------------------------|-------------------------------|

Contents

Topic

Planning

| Planning | Class hours | Hours outside the classroom | Total hours |
|----------|-------------|-----------------------------|-------------|
|----------|-------------|-----------------------------|-------------|

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

Methodologies

| Description | |
|-------------|--|
|-------------|--|

Personalized assistance

Assessment

| Description | Qualification | Training and Learning Results |
|-------------|---------------|-------------------------------|
|-------------|---------------|-------------------------------|

Other comments on the Evaluation

Sources of information

Basic Bibliography

Complementary Bibliography

Recommendations

Subjects that it is recommended to have taken before

Project Integration and Scope Management/P02M163V01103

| IDENTIFYING DATA | | | | |
|-------------------------|---|-----------|------|------------|
| Project Cost Management | | | | |
| Subject | Project Cost Management | | | |
| Code | P02M163V01105 | | | |
| Study programme | Máster Universitario en Dirección Integrada de Proyectos | | | |
| Descriptors | ECTS Credits | Choose | Year | Quadmester |
| | 3.5 | Mandatory | 1st | An |
| Teaching language | Spanish | | | |
| Department | | | | |
| Coordinator | Cancela Carral, José María | | | |
| Lecturers | Cancela Carral, José María Nieto Uria Ribeiro de Almeida, Arturo | | | |
| E-mail | chemacc@uvigo.es | | | |
| Web | http://www.mdip.es | | | |
| General description | The Master in Direction Integrated of Projects (DIP) is some qualifications interuniversity and this subject is imparted by the University of A Coruña. His teaching guide consult in: https://guiadocente.udc.es/guia_docent/index.php?Itcenter=670&ensenyament=670471&query=signatures | | | |

Training and Learning Results

| | |
|------|--|
| Code | |
|------|--|

Expected results from this subject

| | |
|------------------------------------|-------------------------------|
| Expected results from this subject | Training and Learning Results |
|------------------------------------|-------------------------------|

Contents

| | |
|-------|--|
| Topic | |
|-------|--|

Planning

| | Class hours | Hours outside the classroom | Total hours |
|--|-------------|-----------------------------|-------------|
|--|-------------|-----------------------------|-------------|

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

Methodologies

| | |
|-------------|--|
| Description | |
|-------------|--|

Personalized assistance

Assessment

| Description | Qualification | Training and Learning Results |
|-------------|---------------|-------------------------------|
|-------------|---------------|-------------------------------|

Other comments on the Evaluation

Sources of information

Basic Bibliography

Complementary Bibliography

Recommendations

| IDENTIFYING DATA | | | | |
|-----------------------------------|--|-----------|------|------------|
| Project Quality Management | | | | |
| Subject | Project Quality Management | | | |
| Code | P02M163V01106 | | | |
| Study programme | Máster Universitario en Dirección Integrada de Proyectos | | | |
| Descriptors | ECTS Credits | Choose | Year | Quadmester |
| | 3 | Mandatory | 1st | An |
| Teaching language | Spanish | | | |
| Department | | | | |
| Coordinator | Cancela Carral, José María | | | |
| Lecturers | Cancela Carral, José María | | | |
| E-mail | chemacc@uvigo.es | | | |
| Web | http://www.mdip.es | | | |
| General description | Analysis of the quality plan and project assurance. | | | |

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

| Expected results from this subject | | | | |
|---|-------------------------------|----|----|--|
| Expected results from this subject | Training and Learning Results | | | |
| Understanding the project environment. | B1 | C2 | D4 | |
| | B2 | C3 | D5 | |
| | B4 | C4 | | |
| | B5 | | | |
| Identify rules and regulations of the project management. | B1 | C2 | D4 | |
| | B4 | C3 | D5 | |
| | B7 | C4 | | |
| | B14 | | | |
| Understand the fundamentals underpinning the integrated project management | B1 | C2 | D4 | |
| | B2 | C3 | D5 | |
| | B4 | C4 | | |
| | B5 | | | |
| (*)Develop skills for the adaptation to new situations and resolution of problems, and for the autonomous learning. | B1 | C2 | D4 | |
| | B4 | C3 | D5 | |
| | B14 | C4 | | |
| | | | | |

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

Planning

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

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

Methodologies

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

Personalized assistance**Methodologies Description**

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

Assessment

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

Other comments on the Evaluation**Sources of information****Basic Bibliography****Complementary Bibliography****Recommendations****Subjects that continue the syllabus**

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

Subjects that it is recommended to have taken before

Project Cost Management/P02M163V01105

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

| | | | | |
|---------------------|--|-----------|------|------------|
| Subject | RR management. H H. of the Project, Communications and Stakeholder Management | | | |
| Code | P02M163V01107 | | | |
| Study programme | Máster Universitario en Dirección Integrada de Proyectos | | | |
| Descriptors | ECTS Credits | Choose | Year | Quadmester |
| | 4 | Mandatory | 1st | An |
| Teaching language | Spanish | | | |
| Department | | | | |
| Coordinator | Serrano Gómez, Virginia | | | |
| Lecturers | Serrano Gómez, Virginia Teijeiro Álvarez, Mercedes | | | |
| E-mail | vserrano@uvigo.es | | | |
| Web | http://www.mdip.es | | | |
| General description | The Master in Direction Integrated of Projects (DIP) is some qualifications interuniversity and this subject is imparted by the University of A Coruña. His teaching guide can be consult in: https://guiadocente.udc.es/guia_docent/index.php?Itcenter=670&ensenyament=670471&query=assignatures | | | |

Training and Learning Results

Code

Expected results from this subject

Expected results from this subject Training and Learning Results

Contents

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

Planning

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

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

Methodologies

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

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

Personalized assistance

Methodologies Description

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

Assessment

| | Description | Qualification | Training and Learning Results |
|---------------|--|---------------|-------------------------------|
| Case studies | Methodology where the subject confronts in front of the description of a specific situation that poses a problem that has to be comprised, valued and resolved by a group of people, through a process of discussion. The student situates in front of a concrete problem (case), that describes him a real situation of the professional life, and has to be able to analyse a series of facts, referents to a particular area of the knowledge or of the action, to arrive to a decision reasoned through a process of discussion in small groups of work. | 40 | |
| Mentored work | Methodologie Designed to promote the autonomous learning of the students, under the *tutela of the professor and in stages varied (academic and professionals). It is referred to the learning of the ?How do the things?. It constitutes an option based in the assumption by the students of the responsibility by his own learning | 30 | |
| Lecturing | Test (exam) in multiple-choice format, covering the contents of the theoretical / lecture sessions | 30 | |

Other comments on the Evaluation

- a) In the 1st call or exam, 20% will be valued, or the work 40%, and the dossier of exercises/case studies carried out in class 40%. The deliveries must be made in due time and form to be validated.
- b) If the subject is not passed at the first sitting, the competences not acquired will be assessed at the second sitting.
- c) The official details of the exams can be consulted on the faculty's website.

Sources of information

Basic Bibliography

PMBok. Guía de fundamentos para la dirección de proyectos, 6, PMI, 2017

Complementary Bibliography

PMBok. Guía de los fundamentos para la Dirección de proyectos, 7, PMI, 2021

Recommendations

Subjects that continue the syllabus

Life Cycle and Project Standards/P02M163V01102

Subjects that are recommended to be taken simultaneously

DIP Conceptual Framework/P02M163V01101

Subjects that it is recommended to have taken before

Project Integration and Scope Management/P02M163V01103

| IDENTIFYING DATA | | | | |
|---|--|-----------|------|------------|
| Project Risk Management and Acquisitions | | | | |
| Subject | Project Risk Management and Acquisitions | | | |
| Code | P02M163V01108 | | | |
| Study programme | Máster Universitario en Dirección Integrada de Proyectos | | | |
| Descriptors | ECTS Credits | Choose | Year | Quadmester |
| | 6 | Mandatory | 1st | An |
| Teaching language | Spanish | | | |
| Department | | | | |
| Coordinator | Cancela Carral, José María Cerqueiro Pequeño, Jorge | | | |
| Lecturers | Cancela Carral, José María Cerqueiro Pequeño, Jorge Gomez Calvo, Jose Luis | | | |
| E-mail | chemacc@uvigo.es jcerquei@uvigo.es | | | |
| Web | http://www.mdip.es | | | |
| General description | Analysis of risks related to project development and procurement planning. | | | |

Training and Learning Results

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

Expected results from this subject

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

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

Contents

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

Planning

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

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

Methodologies

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

Personalized assistance

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

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

Other comments on the Evaluation

Additional activities may be proposed, on a voluntary basis, to supplement the grade calculated based on the criteria stated above.

Students who do not pass the continuing education course in the regular session will have the opportunity to take a final exam.

Students are expected to display appropriate ethical behavior. If unethical behavior is detected (for example, cheating, plagiarism, or use of unauthorized electronic devices), the student will be deemed not to meet the requirements to pass the course.

Depending on the type of unethical behavior detected, it may be concluded that the student has not attained the necessary competencies to pass this course.

Sources of information

Basic Bibliography

Fernandes Bella, Ricardo Luiz, **Gestión de Riesgos en Proyectos: Un Manual para el Análisis de Riesgos**, 978-6205575642, 1ª, Ediciones Nuestro Conocimiento, 2023

Mulet Escrig, Elena y otros, **Problemas resueltos de análisis de riesgos en instalaciones**, 978-8469373798, 1ª, Servei Comunicació i Publicacions UJI, 2011

Project Management Institute, **Guía de los Fundamentos Para la Dirección de Proyectos (guía del PMBOK) Sexta Edición**, 978-1628251944, 6ª, Project Management Institute, 2017

Complementary Bibliography

Olivo, Rolando José, **Evaluación de Riesgos en Proyectos: Un Método para Estimar los Riesgos**, 979-8622772030, 1ª, Independiente, 2020

Project Management Institute, **Guía de Los Fundamentos Para La Dirección de Proyectos (Guía del Pmbok) Quinta Edición**, 978-1628250091, 5ª, Project Management Institute, 2014

Ríos Insúa, David y Naveiro Flores, Roi, **Análisis de Riesgos**, 978-8413524597, 1ª, Los Libros de la Catarata, 2022

Recommendations

Subjects that continue the syllabus

Economic Environment and Procedures. Project Start/P02M163V01109

Subjects that it is recommended to have taken before

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

Other comments

The communications with the students will do through the remote teaching platform MOOVI, by what is necessary that the student access to the space of the matter in the platform previously to the start of the teaching. Before the realisation of the proofs of evaluation, recommends consult the Platform MOOVI to confirm the date, place, recommendations, etc., as well as the need to have of rule, manual or any another material for the realisation of the examinations and resolution of works no face-to-face.

IDENTIFYING DATA**Economic Environment and Procedures. Project Start**

| | | | | |
|---------------------|--|----------|------|------------|
| Subject | Economic Environment and Procedures. Project Start | | | |
| Code | P02M163V01109 | | | |
| Study programme | Máster Universitario en Dirección Integrada de Proyectos | | | |
| Descriptors | ECTS Credits | Choose | Year | Quadmester |
| | 5 | Optional | 1st | An |
| Teaching language | Spanish | | | |
| Department | | | | |
| Coordinator | Serrano Gómez, Virginia | | | |
| Lecturers | Fabeiro Agraso, David Gambau I Pinasa, Vicente Sánchez Santos, José Manuel Serrano Gómez, Virginia | | | |
| E-mail | vserrano@uvigo.es | | | |
| Web | http://www.mdip.es | | | |
| General description | Introduction to the direction and management of a project in the field of leisure and sports. The Master in Integrated Project Management (DIP) is an inter-university degree and this subject in the specialty of Building and territorial development is taught by the University of A Coruña. Its teaching guide can be consulted at: https://guiadocente.udc.es/guia_docent/index.php?centre=670&ensenyament=670471&consulta=assignatures | | | |

Training and Learning Results

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

Expected results from this subject

| Expected results from this subject | Training and Learning Results | | | |
|---|-------------------------------|-----------------|------------|----|
| Be able to comprise the structure of integration inside a project. | A1 | B1 B2 | C20 C22 | D5 |
| Be able to comprise the surroundings of the project. | A1 | B2 B4 | C1 | D5 |
| Be able to identify norms and regulations of the direction of projects. | A1 | B2 B4 | C20 C22 | D5 |
| Be able to know the foundations that *sustentan the integrated direction of projects. | A1 | B1 B4 B13 | C20 C22 | D5 |
| Be able to develop skills for the adaptation to new situations and resolution of problems, and for the autonomous learning. | A1 A2 | B2 B4 | C22 | D5 |

Contents

Topic

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

Planning

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

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

Methodologies

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

Personalized assistance

Methodologies Description

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

Assessment

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

Other comments on the Evaluation

- In the 1st call or exam, 30% will be assessed, or the work 30%, and the dossier of exercises/practical cases carried out in class 40%. As deliveries must be made in time and form to be evaluated.
- If the subject is not passed at the first sitting, the competences not acquired will be assessed at the second sitting.
- The official details of the exams can be consulted on the Faculty's website.

Sources of information

Basic Bibliography

Complementary Bibliography

Recommendations

Subjects that continue the syllabus

Headquarters and Execution Management/P02M163V01110

Subjects that it is recommended to have taken before

Project Risk Management and Acquisitions/P02M163V01108

IDENTIFYING DATA**Headquarters and Execution Management**

| | | | | |
|---------------------|---|----------|------|------------|
| Subject | Headquarters and Execution Management | | | |
| Code | P02M163V01110 | | | |
| Study programme | Máster Universitario en Dirección Integrada de Proyectos | | | |
| Descriptors | ECTS Credits | Choose | Year | Quadmester |
| | 3 | Optional | 1st | An |
| Teaching language | Spanish | | | |
| Department | | | | |
| Coordinator | Cancela Carral, José María | | | |
| Lecturers | Cancela Carral, José María | | | |
| E-mail | chemacc@uvigo.es | | | |
| Web | http://www.mdip.es | | | |
| General description | The Master in Integrated Project Management (DIP) is an inter-university degree and this subject is taught by the University of A Coruña. Its teaching guide can be consulted at: | | | |

https://guiadocente.udc.es/guia_docent/index.php?centre=670&ensenyament=670471&consulta=signatures

Training and Learning Results

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

Expected results from this subject

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

Contents

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

Planning

| | Class hours | Hours outside the classroom | Total hours |
|-----------|-------------|-----------------------------|-------------|
| Lecturing | 10 | 10 | 20 |

| | | | |
|---------------------------------|----|---|----|
| Autonomous problem solving | 4 | 4 | 8 |
| Problem solving | 10 | 8 | 18 |
| Presentation | 6 | 2 | 8 |
| Debate | 5 | 0 | 5 |
| Problem and/or exercise solving | 10 | 0 | 10 |
| Objective questions exam | 1 | 5 | 6 |

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

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

Personalized assistance

| Methodologies | Description |
|----------------------------|-------------|
| Autonomous problem solving | |
| Presentation | |

Assessment

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

Other comments on the Evaluation

Sources of information

Basic Bibliography

Complementary Bibliography

Recommendations

| IDENTIFYING DATA | | | | |
|---|---|----------|------|------------|
| Monitoring and Control Procedural manuals | | | | |
| Subject | Monitoring and Control Procedural manuals | | | |
| Code | P02M163V01112 | | | |
| Study programme | Máster Universitario en Dirección Integrada de Proyectos | | | |
| Descriptors | ECTS Credits | Choose | Year | Quadmester |
| | 3 | Optional | 1st | An |
| Teaching language | Spanish | | | |
| Department | | | | |
| Coordinator | García García, Óscar | | | |
| Lecturers | García García, Óscar Pastoriza Agulla, José Benito | | | |
| E-mail | oscargarcia@uvigo.es | | | |
| Web | http://www.mdip.es | | | |
| General description | Analysis and study of the different phases in the execution of a sportive project | | | |

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

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

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

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

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

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

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

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

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

Other comments on the Evaluation

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

Sources of information

Basic Bibliography

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

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

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

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

Complementary Bibliography

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

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

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

Recommendations

Subjects that continue the syllabus

Project Monitoring, Control and Closure/P02M163V01113

Subjects that it is recommended to have taken before

Life Cycle and Project Standards/P02M163V01102

Economic Environment and Procedures. Project Start/P02M163V01109

Project Quality Management/P02M163V01106

Project Integration and Scope Management/P02M163V01103

Project Cost Management/P02M163V01105

Project Risk Management and Acquisitions/P02M163V01108

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

Project Time Management/P02M163V01104

DIP Conceptual Framework/P02M163V01101

| IDENTIFYING DATA | | | | |
|--|--|----------|------|------------|
| Project Monitoring, Control and Closure | | | | |
| Subject | Project Monitoring, Control and Closure | | | |
| Code | P02M163V01113 | | | |
| Study programme | Máster Universitario en Dirección Integrada de Proyectos | | | |
| Descriptors | ECTS Credits | Choose | Year | Quadmester |
| | 3 | Optional | 1st | An |
| Teaching language | Spanish | | | |
| Department | | | | |
| Coordinator | Serrano Gómez, Virginia | | | |
| Lecturers | Mandado Vázquez, Alfonso Serrano Gómez, Virginia | | | |
| E-mail | vserrano@uvigo.es | | | |
| Web | http://www.mdip.es | | | |
| General description | Analysis of the steps to follow in the monitoring and control of a project | | | |

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

| Expected results from this subject | | | | |
|---|-------------------------------|-----------------|------------------|----------|
| Expected results from this subject | Training and Learning Results | | | |
| Be able to develop skills of leadership, interpersonal relation and work in team | A4 | B13 | C22 | D5 D8 |
| Be able to comprise the structure of work of team like fundamental part of the integrated direction of projects. | | B1 B2 | C8 C20 | D5 |
| Be able to comprise the plan of control and follow-up of the project | A4 | B1 B2 | C8 C20 | D5 |
| Be able to define, comprise and identify the processes of follow-up and control of the project. | | B1 B2 B13 | C8 C20 | D5 |
| Be able to define, comprise and identify the processes of closing of the project | A4 | B1 B2 | C8 C21 | D5 |
| Be able to develop and use the means like director of the project for the control and follow-up of the project | | B1 B2 B13 | C8 C20 C21 | D5 |
| Be able to develop skills for the adaptation to new situations and resolution of problems, and for the autonomous learning. | | B1 B2 B13 | C8 C20 C21 | D5 |
| Be able to develop tools of follow-up and control. | | B1 B2 | C8 C20 C22 | D5 |

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

| Planning | | | |
|---|-------------|-----------------------------|-------------|
| | Class hours | Hours outside the classroom | Total hours |
| Lecturing | 20 | 0 | 20 |
| Problem solving | 20 | 4 | 24 |
| Case studies | 15 | 5 | 20 |
| Mentored work | 10 | 0 | 10 |
| Objective questions exam | 1 | 0 | 1 |
| *The information in the planning table is for guidance only and does not take into account the heterogeneity of the students. | | | |

| Methodologies | |
|----------------------|--|
| | Description |
| Lecturing | Exhibition by part of the professor of the contents on the matter object of study, theoretical bases and/or guidelines of a work, exercise or project to develop by the student. |
| Problem solving | Activity in which they formulate problem and/or exercises related with the *asignatura. The student has to develop the suitable or correct solutions by means of the *ejercitación of routines, the application of formulas or algorithms, the application of procedures of transformation of the available information and the interpretation of the results. It is used to use as I complement of the lesson *magistral. |
| Case studies | Analysis of a fact, problem or real event with the purpose to know it, interpret it, resolve it, generate hypothesis, contrast data, *reflexionar, complete knowledges, diagnose it and train in alternative procedures of solution. |
| Mentored work | (*)Desarrollo de un trabajo propuesto por el profesor, relacionado con los contenidos. |

Personalized assistance

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

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

Other comments on the Evaluation

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

- b) In case of not passing the subject in the first call, the skills not acquired will be evaluated in the 2nd call.
- c) The official data of the exams can be consulted on the web page of the faculty. The data of the two exams can be consulted on the Master's website www.mdip.es

Sources of information

Basic Bibliography

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

Complementary Bibliography

AENOR, **Norma española UNE-ISO 21500:2013. Directrices para la gestión y dirección de proyectos**, Asociación Española de Normalización y Certificación, AENOR, 2022

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

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

Recommendations

Subjects that continue the syllabus

Information Systems Needs and Technologies/P02M163V01114

Subjects that it is recommended to have taken before

Monitoring and Control Procedural manuals/P02M163V01112

| IDENTIFYING DATA | | | | |
|---|---|----------|------|------------|
| Information Systems Needs and Technologies | | | | |
| Subject | Information Systems Needs and Technologies | | | |
| Code | P02M163V01114 | | | |
| Study programme | Máster Universitario en Dirección Integrada de Proyectos | | | |
| Descriptors | ECTS Credits | Choose | Year | Quadmester |
| | 5 | Optional | 1st | An |
| Teaching language | Spanish | | | |
| Department | | | | |
| Coordinator | Cancela Carral, José María | | | |
| Lecturers | Cancela Carral, José María Núñez Ortuño, José María | | | |
| E-mail | chemacc@uvigo.es | | | |
| Web | http://www.mdip.es | | | |
| General description | This subject, oriented to students that go to make his activity in the computer sector and/or in the field of the TIC, will qualify them to analyse and identify a technological project in the business field, from all the points of seen disciplined, contemplating the systems of information, data and technologies that need integrate in a company and, in definite, will help them to manage and direct projects of systems of information. | | | |

Training and Learning Results

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

Expected results from this subject

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

Contents

| Topic | |
|---|--|
| Subject 1. The business world and his information | Aims of a company Areas of activity of a company Structure and organisational designs Information systems in the company |
| Subject 2. Information Systems | Information Systems (IS) definition Components of an IS Classification of IS Principles in the development of an IS The cycle of life of an IS |

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

| Planning | | | |
|---|-------------|-----------------------------|-------------|
| | Class hours | Hours outside the classroom | Total hours |
| Lecturing | 30 | 0 | 30 |
| Problem solving | 27 | 0 | 27 |
| Case studies | 24 | 0 | 24 |
| Mentored work | 12 | 0 | 12 |
| Problem and/or exercise solving | 30 | 0 | 30 |
| Problem and/or exercise solving | 2 | 0 | 2 |
| *The information in the planning table is for guidance only and does not take into account the heterogeneity of the students. | | | |

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

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

| Assessment | |
|-------------|---|
| Description | Qualification Training and Learning Results |

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

Other comments on the Evaluation

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

Sources of information

Basic Bibliography

Complementary Bibliography

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

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

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

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

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

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

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

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

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

Recommendations

Subjects that continue the syllabus

Standards for ICT Project Management/P02M163V01116

Management of an ICT Projects/P02M163V01115

| IDENTIFYING DATA | | | | |
|--------------------------------------|---|----------|------|------------|
| Management of an ICT Projects | | | | |
| Subject | Management of an ICT Projects | | | |
| Code | P02M163V01115 | | | |
| Study programme | Máster Universitario en Dirección Integrada de Proyectos | | | |
| Descriptors | ECTS Credits | Choose | Year | Quadmester |
| | 3 | Optional | 1st | An |
| Teaching language | Spanish | | | |
| Department | | | | |
| Coordinator | Álvarez Bermúdez, Xana | | | |
| Lecturers | Álvarez Bermúdez, Xana Expósito López, Iván | | | |
| E-mail | xaalvarez@uvigo.es | | | |
| Web | http://www.mdip.es | | | |
| General description | Analise Of the management of the projects Tic/Inxeniería in the ambito public and personal. | | | |

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

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

| Contents | |
|--|--|
| Topic | |
| Subject 1. MANAGEMENT OF PROJECTS TIC IN ENGINEERING OF The SOFTWARE | T1.1. Software: definition, history and problems T1.2. Crisis of the software T1.3. Engineering of the software T1.4. Predictive Management T1.5. Agile manifest T1.4. Management of projects TIC |

Subject 2. SCRUM

- T2.1. Scrum: History and characteristic
- T2.2. Practices in Scrum
 - T2.2.1. Component and flow of work in Scrum
- T2.3. Principles and values of Scrum
 - T2.2.2. Artifacts
 - T2.2.3. Roles
 - T2.2.4. Events
 - T2.2.5. Agile measurement and estimation
- T2.3. Principles and values of Scrum

Subject 3. KANBAN And OTHER PRACTICES OF FLEXIBILIZATION SCRUM

- T3.1. Graphic burn down
- T3.2. Graphic burn up
- T3.3. Estimate in the wall
- T3.6. Techniques to proof of errors
- T3.5. Work in couple
- T3.4. Estimate of poker
- T3.7. Diagram For retrospective (blackhead and tree)
- T3.8. Kanban

Planning

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

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

Methodologies

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

Personalized assistance

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

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

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

Other comments on the Evaluation

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

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

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

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

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

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

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

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

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

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

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

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

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

Sources of information

Basic Bibliography

Complementary Bibliography

Recommendations

Other comments

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

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

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

| IDENTIFYING DATA | | | | |
|---|---|----------|------|------------|
| Standards for ICT Project Management | | | | |
| Subject | Standards for ICT Project Management | | | |
| Code | P02M163V01116 | | | |
| Study programme | Máster Universitario en Dirección Integrada de Proyectos | | | |
| Descriptors | ECTS Credits | Choose | Year | Quadmester |
| | 3 | Optional | 1st | An |
| Teaching language | Spanish | | | |
| Department | | | | |
| Coordinator | Lorenzo Mateo, Jaime Alberto | | | |
| Lecturers | Cerqueiro Pequeño, Jorge Fernández Couto Gómez, Carlos Lorenzo Mateo, Jaime Alberto | | | |
| E-mail | jaimelorenzo@uvigo.es | | | |
| Web | http://www.mdip.es | | | |
| General description | (*)Analise da enxenería de Software. | | | |

Training and Learning Results

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

Expected results from this subject

| Expected results from this subject | Training and Learning Results | | | |
|---|-------------------------------|----------|-----------|----|
| Be able to identify the basic concepts of the Processes of Information in the Companies and of the different methodologies and standard. | A2 A4 | B4 | C1 C19 | D5 |
| Be able to develop the basic capacity to relate with the areas of resources, communications, acquisitions, risks, quality and financial of the company under the perspective of the Area of Projects. | A2 | B4 | C1 C19 | |
| Be able to realise a basic analysis on the appearances to consider with regard to the decision to invest in active. Financial economic perspective *versus technical perspective. | A2 A4 | | C1 | D5 |
| Be able to develop skills of presentation and of work in team. | A2 A4 | | C1 C19 | D5 |
| Be able to develop skills for the adaptation to new situations and resolution of problems, and for the autonomous learning. | A2 | B4 B5 | C19 | D5 |
| Be able to relate between the basic concepts and the criterion of business decision with regard to the investments. | A4 | B4 | C19 | D5 |

Contents

| | |
|---|---|
| Topic | |
| Subject I. Standards and management of the quality in projects TICS | The management in time of crisis. |
| Subject II. Management of the resources in projects Tics. | The projects Tics and the analysis of the investment. |

| | |
|---|---|
| Subject III. Management of the communications in projects Tics. | The communications, the direction and the strategic management of the projects |
| Subject IV. Management of the changes in projects tics | The changes, the direction and the strategic management of the projects |
| Subject V. Management of the risks in projects Tics | The risks, , the direction and the strategic management of the projects |
| Subject SAW. Management of the acquisitions in projects Tics. | The acquisitions, , the direction and the strategic management of the projects |
| Subject VII. Management of the financial resources in projects tics | The financial resources, , the direction and the strategic management of the projects |

Planning

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

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

Methodologies

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

Personalized assistance

Methodologies Description

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

Assessment

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

Other comments on the Evaluation

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

Sources of information

Basic Bibliography

Serer Figueroa, Marcos., **Gestión Integrada de Proyectos**, 1ª Edición, Gestión, 2000
 Amat Salas, Oriol., **Contabilidad y finanzas para no financieros**, 1ª Edición, Deusto, 2008

Complementary Bibliography

Amat Salas, Oriol, **Comprender la contabilidad y las fin**, 1ª Edición, UPC, 2006

Recommendations

Subjects that it is recommended to have taken before

Management of an ICT Projects/P02M163V01115

| IDENTIFYING DATA | | | | |
|---------------------|---|-----------|------|------------|
| Internships | | | | |
| Subject | Internships | | | |
| Code | P02M163V01117 | | | |
| Study programme | Máster Universitario en Dirección Integrada de Proyectos | | | |
| Descriptors | ECTS Credits | Choose | Year | Quadmester |
| | 6 | Mandatory | 1st | An |
| Teaching language | Spanish | | | |
| Department | | | | |
| Coordinator | Cancela Carral, José María | | | |
| Lecturers | Cancela Carral, José María | | | |
| E-mail | chemacc@uvigo.es | | | |
| Web | http://www.mdip.es | | | |
| General description | (*)Desenvolvemento de prácticas en empresa, vinculadas á metodoloxía exposta no máster (PMP). Estas prácticas teñan serán desenvolvidas con un tutor e terán un mínimo equivalente a 130 horas de traballo na empresa e un máximo de 150 horas computables. O alumno deberá entregar una Memoria final de la actividad. Estas prácticas están reguladas mediante o seguinte reglamento: http://mdip.es/images/CURSO_2015-2016/Reglamento_practicas_empresa_Master_DIP_V5_2015_2016.pdf | | | |

| Training and Learning Results | | | | |
|-------------------------------|---|--|--|--|
| Code | | | | |
| B1 | Capacity of analysis and synthesis. | | | |
| B2 | Capacity of Organisation and Planning | | | |
| B3 | Capacity of Work in team | | | |
| B8 | Capacity of communication and motivation | | | |
| B9 | Capacity for the resolution of problems | | | |
| B11 | Capacity to work in a team of character interdisciplinary | | | |
| B12 | Capacity to work in an international context | | | |
| B13 | Capacity of leadership, dialogue and negotiation | | | |
| B14 | Motivation by the quality | | | |
| B15 | Sensitivity to subjects of labour security, accessibility, sustainability and environment | | | |
| C1 | Know act like representatives of the promoter of the project in all the fields of performance of the Director of Project or Project Manager. | | | |
| C2 | Know initiate, schedule, direct, control and close Projects of Building and Territorial Development in the speciality of Building and Territorial Development | | | |
| C3 | Know initiate, schedule, direct, control and close Projects of Leisure and Sport in the speciality of Leisure and sport | | | |
| C4 | Know initiate, schedule, direct, control and close Projects of Systems of Information in the speciality of Systems of Information | | | |
| D1 | Express properly, so much of oral form as written, in the official tongues of the autonomous community. | | | |
| D2 | Dominate the expression and the understanding of oral form and written of a foreign language | | | |
| D3 | Value the importance that has the investigation, the innovation and the technological development in the socioeconomic and cultural advance of the society. | | | |
| D4 | Assume like professional and citizen the importance of the learning along the life. | | | |
| D5 | Value critically the knowledge, the technology and the available information to resolve the problems with which have to confront. | | | |
| D6 | Understand the importance of the culture enterprising and know the means near at hand of the people enterprise. | | | |
| D8 | Use the basic tools of the technologies of the information and the communications (TIC) necessary for the exercise of his profession and for the learning along his life. | | | |

| Expected results from this subject | | | | |
|--|-------------------------------|----|----|--|
| Expected results from this subject | Training and Learning Results | | | |
| Be able to present the management of the integration of a real project | B2 | C2 | D1 | |
| | B9 | C3 | D2 | |
| | B14 | C4 | D3 | |
| | B15 | | D5 | |
| | | | D8 | |

| | | | |
|---|---------------------------------|----------------------|----------------------------|
| Be able to purchase behaviours of respect and help. | B11 B12 B13 B14 B15 | C1 | D5 D6 |
| Be able to elaborate a memory of practise that it reflect the participation in the development of the processes of a project and his links with the methodologies of direction of projects developed in the Master. | B1 B2 B9 B15 | C1 C2 C3 C4 | D1 D2 D3 D4 D5 |
| (*)Ser capaz de trabajar en equipo e desenvolver habilidades de comunicación | B3 B8 | | |

Contents

Topic

Chapter I. The external practices as a first contact with the professional field in comprehensive project management. Practices: what they are and they are.

Chapter II. Contextualización practices: description of the company / institution or service. Analysis of the context of the company

Chapter III. Developing Practices memories following the guidelines of the document prepared for this purpose. Memory practices: their structure

Planning

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

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

Methodologies

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

Personalized assistance

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

Assessment

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

Other comments on the Evaluation

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

Sources of information

Basic Bibliography

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

Complementary Bibliography

Recommendations

Subjects that it is recommended to have taken before

Life Cycle and Project Standards/P02M163V01102

DIP Conceptual Framework/P02M163V01101

| IDENTIFYING DATA | | | | |
|-------------------------|--|-----------|------|------------|
| Master's Thesis | | | | |
| Subject | Master's Thesis | | | |
| Code | P02M163V01118 | | | |
| Study programme | Máster Universitario en Dirección Integrada de Proyectos | | | |
| Descriptors | ECTS Credits | Choose | Year | Quadmester |
| | 10 | Mandatory | 1st | An |
| Teaching language | Spanish | | | |
| Department | | | | |
| Coordinator | Cancela Carral, José María | | | |
| Lecturers | Cancela Carral, José María | | | |
| E-mail | chemacc@uvigo.es | | | |
| Web | http://www.mdip.es | | | |
| General description | Development of a project following the DIP methodology in which all phases of the same pick. | | | |

Training and Learning Results

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

Expected results from this subject

| Expected results from this subject | Training and Learning Results | | |
|--|-------------------------------|-----|----|
| The student will be able to present his project, explain it of concrete form and defend it | A4 | C1 | D1 |
| | A5 | C19 | D4 |
| | | C22 | D5 |
| | | | D6 |
| | | | D7 |
| | | | D8 |
| | | | |

Contents

| | |
|--|--|
| Topic | |
| The work will consist in the Analisis, development Each one of the phases of the development of the project of management and editorial of a project of original management. following the methodology DIP or ISO 21500. | |
| With this object each student/to will realize an individual and autonomous work | Each one of the phases of the development of the project of management |
| académicamente directed by a professor/to of 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 |
| Mentored work | 8 | 30 | 38 |
| Project | 0 | 200 | 200 |

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

Methodologies

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

Personalized assistance

Methodologies Description

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

Assessment

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

Other comments on the Evaluation

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

Sources of information

Basic Bibliography

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

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

Complementary Bibliography

CAM_DIP, **Normativa TFM**,

Recommendations

Subjects that continue the syllabus

Life Cycle and Project Standards/P02M163V01102

DIP Conceptual Framework/P02M163V01101

Subjects that it is recommended to have taken before

Life Cycle and Project Standards/P02M163V01102

Economic Environment and Procedures. Project Start/P02M163V01109

Project Quality Management/P02M163V01106

Project Integration and Scope Management/P02M163V01103

Project Cost Management/P02M163V01105

Project Risk Management and Acquisitions/P02M163V01108

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

Project Time Management/P02M163V01104

Headquarters and Execution Management/P02M163V01110

DIP Conceptual Framework/P02M163V01101

Monitoring and Control Procedural manuals/P02M163V01112

Project Monitoring, Control and Closure/P02M163V01113
