

220213 - Project Management

Coordinating unit: 205 - ESEIAAT - Terrassa School of Industrial, Aerospace and Audiovisual Engineering
 Teaching unit: 758 - EPC - Department of Project and Construction Engineering
 Academic year: 2019
 Degree: MASTER'S DEGREE IN INDUSTRIAL ENGINEERING (Syllabus 2013). (Teaching unit Compulsory)
 ECTS credits: 5 Teaching languages: Catalan, Spanish

Teaching staff

Coordinator: Marcel Macarulla Martí
 Others: Santiago Gassó Domingo - Josep M. Domenech Mas - Jordi Cusidó Roura - Miguel Ángel Saiz Segarra - Jordina Arcal Cunillera

Degree competences to which the subject contributes

Specific:

1. Knowledge and skills for integrated project management.
2. Ability to manage research, development and technological innovation.

Learning objectives of the subject

Study load

Total learning time: 125h	Hours large group:	30h	24.00%
	Hours medium group:	0h	0.00%
	Hours small group:	15h	12.00%
	Guided activities:	0h	0.00%
	Self study:	80h	64.00%

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Content

(ENG) Mòdul 1: La direcció de projectes i els seus processos	Learning time: 12h Theory classes: 2h Laboratory classes: 4h Self study : 6h
(ENG) Mòdul 2: Gestió de l'abast del projecte	Learning time: 17h Theory classes: 2h Laboratory classes: 4h Self study : 11h
(ENG) Mòdul 3: Gestió del temps i gestió dels recursos humans del projecte	Learning time: 18h Theory classes: 2h Laboratory classes: 4h Self study : 12h
(ENG) Mòdul 4: Gestió dels costos i Gestió de les adquisicions del projecte	Learning time: 23h Theory classes: 3h Laboratory classes: 5h Self study : 15h
(ENG) Mòdul 5: Gestió de la qualitat i gestió dels riscos del projecte	Learning time: 23h Theory classes: 3h Laboratory classes: 5h Self study : 15h
(ENG) Mòdul 6: Gestió de les comunicacions i dels interessats (stakeholders) en el projecte	Learning time: 17h Theory classes: 2h Laboratory classes: 4h Self study : 11h

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(ENG) Mòdul 7: Models de gestió de projectes d'I+D+i	Learning time: 15h Theory classes: 1h Laboratory classes: 4h Self study : 10h
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Planning of activities

(ENG) ACTIVITAT 1: SESSIONS DE TEORIA	Hours: 12h Theory classes: 6h Self study: 6h
(ENG) ACTIVITAT 2: EXERCICIS SESSIONS DE TEORIA	Hours: 13h Theory classes: 7h Self study: 6h
(ENG) ACTIVITAT 3: CAS PRÀCTIC DE DIRECCIÓ D'UN PROJECTE	Hours: 84h Laboratory classes: 28h Self study: 56h
(ENG) ACTIVITAT 4: EXAMEN FINAL DE TEORIA	Hours: 10h Theory classes: 2h Self study: 8h
(ENG) ACTIVITAT 5: PRESENTACIÓ ORAL DEL CAS PRÀCTIC	Hours: 6h Theory classes: 2h Self study: 4h

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Bibliography

Basic:

A guide to the project management body of knowledge (PMBOK® Guide). 4th ed. Newtown Square, Pa.: Project Management Institute, Inc, cop. 2008. ISBN 9781933890517.

Complementary:

Buchtik, Liliana. Secrets to mastering the WBS in real-world projects: the most practical approach to work breakdown structures (WBS)! [on line]. 2nd ed. Pennsylvania: Project Management Institute, 2013 [Consultation: 22/05/2018]. Available on: <<http://site.ebrary.com/lib/upcatalunya/detail.action?docID=11238227>>. ISBN 9781935589044.