Last update: 22-01-2014

820072 - PPCP - Planning, Programming and Control Project

Coordinating unit: 820 - EUETIB - Barcelona College of Industrial Engineering

Teaching unit: 732 - OE - Department of Management

Academic year: 2014

Degree: BACHELOR'S DEGREE IN ENERGY ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN BIOMEDICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Teaching unit Optional)

ECTS credits: 6 Teaching languages: Catalan, Spanish

Teaching staff

Coordinator: JUAN ANTONIO CAMPINS MASRIERA

Degree competences to which the subject contributes

Transversal:

1. ENTREPRENEURSHIP AND INNOVATION - Level 3. Using knowledge and strategic skills to set up and manage projects. Applying systemic solutions to complex problems. Devising and managing innovation in organizations.

Learning objectives of the subject

Study load

Total learning time: 150h	Hours large group:	45h	30.00%
	Hours medium group:	0h	0.00%
	Hours small group:	0h	0.00%
	Guided activities:	15h	10.00%
	Self study:	90h	60.00%

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Content

(ENG) Tema 1. PLANIFICACIÓN DE PROYECTOS

Degree competences to which the content contributes:

(ENG) Tema 2. MÉTODO DE LOS POTENCIALES: EL MÉTODO ROY

Degree competences to which the content contributes:

(ENG) Tema 3. EL PERT (Program Evaluation and Review Technique)

Degree competences to which the content contributes:

(ENG) Tema 4. ESTIMACIÓN DE TIEMPO PROBABILISTA

Degree competences to which the content contributes:

(ENG) Tema 5. PROGRAMACIÓN CON RECURSOS LIMITADOS

Degree competences to which the content contributes:

(ENG) Tema 6. EL PERT-COSTE: MÉTODO CPM (Critical Path Mhetod)

Degree competences to which the content contributes:

(ENG) Tema 7. PLANIFICACIÓN DE PROYECTOS CON ORDENADOR (no presencial)

Degree competences to which the content contributes:

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Bibliography

Basic:

Colección de apuntes de teoría y enunciado de los ejercicios a realizar durante el curso..

Complementary:

Companys Pascual, Ramón; Corominas Subias, Albert. Organización de la producción II : dirección de operaciones. Barcelona: Edicions UPC, 1995-1996. ISBN 8476534515.

Chuen-Tao, Luis Yu. Aplicaciones prácticas del PERT y CPM : nuevos métodos de dirección para planificación, programación y control de proyectos. 6ª ed. Madrid [etc.]: Deusto, DL 1984.

Aguer Hortal, Mario; Pérez Gorostegui, Eduardo; Martínez Sánchez, Joan. Administración y dirección de empresas : teoría y ejercicios resueltos. Madrid: Centro de Estudios Ramón Areces, DL 2004. ISBN 8480046635.

Chatfield, Carl S.; Johnson, Timothy D. Microsoft Project versión 2002 paso a paso. Madrid [etc.]: McGraw Hill, cop. 2002. ISBN 8448137140.

Heizer, Jay H.; Render, Barry. Dirección de la producción : decisiones tácticas. 6ª ed. Madrid [etc.]: Prentice Hall, cop. 2001. ISBN 8420530360.

Others resources: