

330099 - GOSIQSMA - Quality Management and Integrated Quality, Safety and Environmental Management Systems

Coordinating unit: 330 - EPSEM - Manresa School of Engineering

Teaching unit: 750 - EMIT - Department of Mining, Industrial and ICT Engineering

Academic year: 2019

Degree: BACHELOR'S DEGREE IN ICT SYSTEMS ENGINEERING (Syllabus 2010). (Teaching unit Optional)
BACHELOR'S DEGREE IN ENERGY AND MINING RESOURCE ENGINEERING (Syllabus 2012). (Teaching unit Optional)
BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2016). (Teaching unit Optional)
BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2016). (Teaching unit Optional)
BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2016). (Teaching unit Optional)
BACHELOR'S DEGREE IN MINING ENGINEERING (Syllabus 2016). (Teaching unit Optional)
BACHELOR'S DEGREE IN ELECTRICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN INDUSTRIAL ELECTRONICS AND AUTOMATIC CONTROL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN MECHANICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)
BACHELOR'S DEGREE IN CHEMICAL ENGINEERING (Syllabus 2009). (Teaching unit Optional)

ECTS credits: 6 Teaching languages: Catalan, English

Teaching staff

Coordinator: Vintró Sánchez, Carla

Degree competences to which the subject contributes

Specific:

1. (ENG) Coneixement adient del concepte d'empresa, el seu marc institucional i jurídic. Organització i gestió d'empreses.

Transversal:

2. TEAMWORK - Level 3. Managing and making work groups effective. Resolving possible conflicts, valuing working with others, assessing the effectiveness of a team and presenting the final results.
3. 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.
4. THIRD LANGUAGE. Learning a third language, preferably English, to a degree of oral and written fluency that fits in with the future needs of the graduates of each course.

Learning objectives of the subject

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Study load

Total learning time: 150h	Hours large group:	30h	20.00%
	Hours medium group:	0h	0.00%
	Hours small group:	30h	20.00%
	Guided activities:	0h	0.00%
	Self study:	90h	60.00%

Content

(ENG) Títol del contingut 1: Gestió de la qualitat	Learning time: 50h Theory classes: 10h Laboratory classes: 10h Self study : 30h
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(ENG) Títol del contingut 2: Gestió ambiental	Learning time: 50h Theory classes: 10h Laboratory classes: 10h Self study : 30h
Description: .	

(ENG) Títol del contingut 3: Prevenció de riscos laborals	Learning time: 50h Theory classes: 10h Laboratory classes: 10h Self study : 30h
Description: .	

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Planning of activities

(ENG) TÍTOL DE L'ACTIVITAT 1: PRÀCTIQUES	Hours: 67h 30m Laboratory classes: 22h Self study: 45h 30m
(ENG) TÍTOL DE L'ACTIVITAT 2: EXAMEN ESCRIT	Hours: 26h Theory classes: 4h Self study: 22h
(ENG) TÍTOL DE L'ACTIVITAT 3: COMPREENSIÓ I EXPRESSIÓ EN ANGLÈS	Hours: 37h 30m Theory classes: 7h Laboratory classes: 8h Self study: 22h 30m

Bibliography

Basic:

ISO. The integrated use of management system standards. Geneva: ISO Copyright Office, 2008. ISBN 9789267104737.

Complementary:

Rabbitt, John T.; Bergh, Peter A. The ISO 9000 book: a global competitor's guide to compliance and certification. 2nd ed. New York: Quality Resources, 1994. ISBN 9780814402672.

Hoyle, David. ISO 9000 quality systems handbook [on line]. 6th ed. Oxford: Butterworth-Heinemann, 2009 [Consultation: 06/04/2018]. Available on: <https://discovery.upc.edu/iii/encore/record/C__Rb1420580?lang=cat>. ISBN 9781856176842.

Russo, Michael V., ed. Environmental management: readings and cases. 2nd ed. Los Angeles: SAGE, 2008. ISBN 9781412958493.

Sasseville, Dennis R.; Wilson, W. Gary; Lawson, Robert W. ISO 14000 answer book: environmental management for the world market. New York: John Wiley & Sons, 1997. ISBN 0417179337.

Health & Safety Executive. Essentials of health and safety at work. 4th ed. Sudbury: HSE Books, 2006. ISBN 9780717661794.

Kausek, Joe. OHSAS 18001: designing and implementing an effective health and safety management system. Maryland: Government Institutes, 2007. ISBN 9780865871991.

Others resources: