

Course guides

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

Last modified: 28/05/2020

Unit in charge: Manresa School of Engineering
Teaching unit: 750 - EMIT - Department of Mining, Industrial and ICT Engineering.

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

Academic year: 2020 **ECTS Credits:** 6.0 **Languages:** Catalan, English

LECTURER

Coordinating lecturer: Lujan Blanco, Itziar

Others:

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.

TEACHING METHODOLOGY

LEARNING OBJECTIVES OF THE SUBJECT



STUDY LOAD

Type	Hours	Percentage
Self study	90,0	60.00
Hours large group	30,0	20.00
Hours small group	30,0	20.00

Total learning time: 150 h

CONTENTS

(ENG) Títol del contingut 1: Gestió de la qualitat

Description:

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Full-or-part-time: 50h

Theory classes: 10h

Laboratory classes: 10h

Self study : 30h

(ENG) Títol del contingut 2: Gestió ambiental

Description:

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Full-or-part-time: 50h

Theory classes: 10h

Laboratory classes: 10h

Self study : 30h

(ENG) Títol del contingut 3: Prevenció de riscos laborals

Description:

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Full-or-part-time: 50h

Theory classes: 10h

Laboratory classes: 10h

Self study : 30h

ACTIVITIES

(ENG) TÍTOL DE L'ACTIVITAT 1: PRÀCTIQUES

Full-or-part-time: 67h 30m

Laboratory classes: 22h

Self study: 45h 30m



(ENG) TÍTOL DE L'ACTIVITAT 2: EXAMEN ESCRIT

Full-or-part-time: 26h
Theory classes: 4h
Self study: 22h

(ENG) TÍTOL DE L'ACTIVITAT 3: COMPRESIÓ I EXPRESSIÓ EN ANGLÈS

Full-or-part-time: 37h 30m
Theory classes: 7h
Laboratory classes: 8h
Self study: 22h 30m

GRADING SYSTEM

BIBLIOGRAPHY

Basic:

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

Complementary:

- 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.
- 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.