250718 - Quality Management

Coordinating unit: 250 - ETSECCPB - Barcelona School of Civil Engineering
Teaching unit: 758 - EPC - Department of Project and Construction Engineering
Academic year: 2019
Degree: MASTER’S DEGREE IN STRUCTURAL AND CONSTRUCTION ENGINEERING (Syllabus 2015).
( Teaching unit Optional)
ECTS credits: 5
Teaching languages: Spanish, English

Teaching staff
Coordinator: NURIA FORCADA MATHEU
Others: NURIA FORCADA MATHEU

Degree competences to which the subject contributes

Specific:
13367. To apply innovative and sustainable technological aspects in the management and implementation of projects and works.
13370. To analyze the multiple technical and legal conditions arising in the construction of public works, and use proven methods and proven technologies with the aim of achieving greater efficiency in construction while respecting the environment and protecting the safety and health of workers and users of public works.

General:
13360. To conceive, design, analyze and manage structures or structural elements of civil engineering or building, encouraging innovation and the advance of knowledge.
13361. To develop, improve and use conventional materials and new construction techniques to ensure the safety requirements, functionality, durability and sustainability.
13362. To define construction processes and methods of organization and management of projects and works.
13363. To design plans for safety, quality and environmental and socioeconomic impacts related to the construction process.

Learning objectives of the subject

Study load

| Total learning time: 125h | Hours large group: 19h 30m 15.60% |
| Hours medium group: 9h 45m 7.80% |
| Hours small group: 9h 45m 7.80% |
| Guided activities: 6h 4.80% |
| Self study: 80h 64.00% |
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<td>QUALITY MANAGEMENT SYSTEMS</td>
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## Bibliography

**Basic:**


ISO. Normas ISO 9000:2005/2009/2015. AENOR,