240NU214 - Seminars

Coordinating unit: 240 - ETSEIB - Barcelona School of Industrial Engineering
Teaching unit: 748 - FIS - Department of Physics
Academic year: 2017
Degree: MASTER'S DEGREE IN NUCLEAR ENGINEERING (Syllabus 2012). (Teaching unit Optional)
ECTS credits: 4.5  
Teaching languages: English

Teaching staff

Coordinator: Lluís Batet
Others: Lluís Batet, Francesc Reventós, Javier Dies

Degree competences to which the subject contributes

Specific:
4. Ability to easily integrate interdisciplinary and creative technical team of any company in the nuclear industry or research.
3. Ability to identify the different tasks of the technical and financial management of a nuclear facility and assess the problems associated with analyzing and proposing possible solutions.
2. Have a clear and comprehensive life cycle of facilities, from design to decommissioning of a nuclear plant.
1. Knowledge of techniques and procedures for the management of radioactive waste.

Teaching methodology

The course is based on conferences and seminars given by experts in different fields related to plant management and nuclear safety. Students will complement their learning with the reading of selected notes and articles.

Learning objectives of the subject

The objectives of this course are:
- To complement some of the topics addressed during the courses on Management of Nuclear Power Plants and on Regulation and Safety
- To give the students an overview of some specific topics related to Management of Nuclear Power Plants and to Regulation and Safety
- To give the students the opportunity of having a first-hand contact with experts in different fields of the nuclear technology
- To contribute to the students' approach to the real world of the nuclear industry.
Evaluation will be made by means of short exams, consisting in answer-choice tests or questions to be answered in with a short text. Exams will deal with specific seminars and will take place shortly after the seminars have been offered. So, exams will be scattered all along the semester, each one being related with only 1 to 4 seminars.

Final qualification will be calculated averaging the marks of the different exams and taking into account the attendance to the seminars.