

25236 - Radioactive contamination, acoustic and vibration pollution

Syllabus Information

Academic Year: 2020/21

Subject: 25236 - Radioactive contamination, acoustic and vibration pollution

Faculty / School: 201 - Escuela Politécnica Superior

Degree: 277 - Degree in Environmental Sciences
571 - Degree in Environmental Sciences

ECTS: 6.0

Year: 3

Semester: 277 - Second Four-month period

277 - Second Four-month period

571 - Second Four-month period

571 - Second Four-month period

Subject Type: Optional

Module: ---

1.General information

1.1.Aims of the course

1.2.Context and importance of this course in the degree

1.3.Recommendations to take this course

2.Learning goals

2.1.Competences

2.2.Learning goals

2.3.Importance of learning goals

3.Assessment (1st and 2nd call)

3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

The methodology followed in this course is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as lectures, problem-solving sessions and laboratory sessions.

Students are expected to participate actively in the class throughout the semester.

Classroom materials will be available via Moodle.

These include a repository of the lecture notes used in class, the course syllabus, as well as other course-specific learning materials. Further information regarding the course will be provided on the first day of class.

4.2.Learning tasks

This is a 6ECTS course organized as follows:

- **Lectures** (26 hours). The teacher will explain the theory contents and students participation will be encouraged. This method endeavors to promote the active participation of the students through the formulation of questions and/or exercises, which help making the sessions more enjoyable. Lectures will take place with the whole group.

Autonomous work	5	5	5	5	5	6	6	4,5	6	5	5	5	6	6	5	6
Group work en grupo	0,5				0,5					0,5					2	1
TOTAL	9,5	9	9	9	9,5	10	10	4,5	10	9,5	9	9	10	10	11	10

4.5. Bibliography and recommended resources

- BB** Bartí Domingo, Robert. Acústica medioambiental / Robert Barti Domingo . San Vicente (Alicante) : Club Universitario, D.L. 2010
- BB** Noise and vibration control engineering : principles and applications / edited by Leo L. Beranek, Istvan L. Vér . 2nd ed. Hoboken : John Wiley & Sons, cop. 2006
- BB** Radiaciones ionizantes : Utilización y riesgos / Xavier Ortega Aramburu, ed., Jaume Jorba Bisbal, ed. . 1ª reimp. de la 2ª ed. Barcelona : Edicions UPC, 1996 (reimp. 2009)
- BC** Artes, M., et al.: Contaminación ambiental por ruido y vibraciones. Editorial UNED

LISTADO DE URLs:

Beranek, L.L., ed. (2006). Noise and vibration control engineering: principles and applications. Hoboken: John Wiley & Sons
[\[http://health.sbmu.ac.ir/uploads/22_1949_1448281115536_1.pdf\]](http://health.sbmu.ac.ir/uploads/22_1949_1448281115536_1.pdf)

The update recommended bibliography can be consulted in:
<http://psfunizar10.unizar.es/br13/egAsignaturas.php?id=10988>