

SYLLABUS

1. COURSE DESCRIPTION

Degree:	Environmental Sciences
Course:	Noise and Pollution
Module:	
Department:	Physical, Chemical and Natural Systems
Academic Year:	2017/18
Term:	Second
ECTS credits:	6
Year:	4th year
Type:	Optional
Language:	Spanish

Course Model:	C1	
a. Basic learning (EB):		50%
b. Practical learning (EPD):		50%

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2. LECTURERS

Coordinator	
Name:	David Gallego Puyol
School:	School of Experimental Sciences
Department:	School of Experimental Sciences
Area:	Physics of the Earth
Category:	
Office Hours:	Mondays, Tuesdays and Wednesdays: 12.00-14.00
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3. TOPICS

Basic learning (EB):

- Unit 1: Introduction: noise as pollutant (1 hour)
- Unit 2: Physical foundations of sound (4 hours)
- Unit 3: Sound levels and units (3 hours)
- Unit 4: Environmental acoustics (5 hours)
- Unit 5: Characterization of hearing (1.5 hours).
- Unit 6: Instrumentos de medida y calibración (1 hour)
- Unit 7: Measuring and calibration instruments (2.5 hours)
- Unit 8: Regulations (3 hours)
- Unit 9: Noise control (1 hour)

Total of hours: 22

Practical learning (EPD):

- Practice 1 (3 hours): Practical exercises (Classroom)
- Practice 2 (3 hours): Use of sound level meter level, linear power supply measurement (field practice)
- Practice 3 (3 hours): Planning a campaign for measures against noise at UPO (cabinet session).
- Practice 4 (3 hours): Campaign for noise levels measurement at UPO I (field practice).
- Practice 5 (3 hours): Campaign for noise levels measurement at UPO II (field practice).
- Practice 6 (3 hours): Making a noise map of UPO (field practice).
- Seminar 1 (2:30 hours): Practical exercises (Classroom)
- Seminar 2 (2:30 hours): Seminars presentation (Classroom).

Total of hours: 23



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