

## 25247 - Stream ecosystem

### Información del Plan Docente

Academic Year	2017/18
Faculty / School	201 - Escuela Politécnica Superior
Degree	277 - Degree in Environmental Sciences
ECTS	6.0
Year	
Semester	Four-month period
Subject Type	Optional
Module	---

### 1.General information

#### 1.1.Introduction

#### 1.2.Recommendations to take this course

This subject is offered in the [English Friendly](#) form

#### 1.3.Context and importance of this course in the degree

#### 1.4.Activities and key dates

### 2.Learning goals

#### 2.1.Learning goals

#### 2.2.Importance of learning goals

### 3.Aims of the course and competences

#### 3.1.Aims of the course

#### 3.2.Competences

### 4.Assessment (1st and 2nd call)

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

### 5.Methodology, learning tasks, syllabus and resources

#### 5.1.Methodological overview

Theory sessions in which external expert communications are also included and participation is encourage.

Practical sessions consist of field, lab and study work with materials supplied by lecturers.



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Lectures	2	2	2	2	2			2	1	2	1	2		2	2					24	
Lab	2			2	2	2			2		2	2		2						16	
Field		7							4			4								13	
Evaluation													2						3	5	
Non-classroom instruction																				90,0	
Individual work		3	3	3	3	4	4	2	1	2	2	2	4	4	4	4	4	4	4	64,0	
Group work		3	2	2	2	3	3	2	3	2	3	1								26	
TOTAL	8	9	8	9	9	9	7	7	8	9	8	8	9	8	6	6	4	4	4	7	150

Attention: 18th Wednesday (week 11) we will follow Monday schedule

### 5.5. Bibliography and recommended resources

- BB- Conceptos y técnicas en ecología fluvial / edición a cargo de Arturo Elosegi, Sergi Sabater . Bilbao : Fundación BBVA, 2009
- BB- Invertébrés d'eau douce : systématique, biologie, écologie / [realisé sous la direction de] Henri Tachet ; [en collaboration avec] Philippe Richoux ... (et al.) . - [1ª ed.] Paris : CNRS Éditions, cop. 2003
- BB- Margalef, Ramón. Limnología / Ramón Margalef . [1a ed.] reimp. Barcelona : Omega, D.L. 1983 (reimp.2011)BB-
- Wetzel, Robert G.. Limnología / Robert G. Wetzel . Barcelona : Omega, D.L. 1981
- BB- Allan, J. David. Stream ecology : structure and function of running waters / J. David Allan, María M. Castillo . 2nd ed. Dordrecht (Países Bajos) : Springer, cop. 2007
- BB- Lampert, W., Sommer, U. (2007). Limnoecology of lakes and stream. New York: Oxford University Press
- BC- Mitsch, W.J. (2007). Wetlands. New York: John Wiley & Sons
- BC- Begon, Michael. Ecología : individuos, poblaciones y comunidades / Michel Begon, John L. Harper, Colin R. Townsend ; traducido por Miquel Riba Rovira, Raymond Salvador Civil . 3ª ed. Barcelona : Omega, D.L.1999
- BC- Margalef, Ramón. Ecología / Ramón Margalef . 10a reimp. Barcelona : Omega, cop. 2005
- BC- Dodds, W.K. (2010): Freshwater ecology: concepts and environmental applications of limnology. Academic Press