

SUBJECT TEACHING GUIDE

M1934 - Introduction to Hydrobiology

Master's degree in integrated management of water systems

Academic year 2022-2023

1. IDENTIFYING DATA					
Degree	Master's degree in integrated management of water systems			Type and Year	Optional. Year 1
Faculty	School of civil Engineering				
Discipline					
Course unit title and code	M1934 - Introduction to Hydrobiology				
Number of ECTS credits allocated	3	Term	Semester based (1)		
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. CIENCIAS Y TECNICAS DEL AGUA Y DEL MEDIO AMBIENTE				
Name of lecturer	MARIA ARACELI PUENTE TRUEBA				
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Office	E.T.S. de Ingenieros de Caminos, Canales y Puertos. Planta: + 0. DESPACHO MARIA ARACELI PUENTE TRUEBA (0025)				
Other lecturers					

3.1 LEARNING OUTCOMES

- Students will know the structure, functioning and organization of ecosystems.
- Students will know the physical, chemical and biological processes that characterize aquatic systems.

4. OBJECTIVES

The overall objective of the course is to acquire basic knowledge about the structure, functioning and organization of ecosystems

6. COURSE ORGANIZATION	
CONTENTS	
1	1. Introduction to aquatic systems
2	2. Abiotic factors
3	3. Biotic factors
4	4. Ecological niche and ecological succession

7. ASSESSMENT METHODS AND CRITERIA				
Description	Type	Final Eval.	Reassessn	%
Oral presentation	Work	No	Yes	50,00
Test	Activity evaluation with Virtual Media	No	Yes	50,00
TOTAL				100,00
Observations				
As accorded by the relevant committees: As a general rule and unless stated otherwise anywhere in this guide, a student cannot request a reexamination if the original grade obtained in the evaluation was not a fail. As a general rule and unless stated otherwise anywhere in this guide, the reexamination activity will take the same form than the original evaluation activity. Grades are measured on a numeric scale going from 0 to 10, where values smaller than 5 are a Fail. Only for sufficiently justified reasons (i.e. sanitary restrictions), the evaluation activities could be organized online, if authorized by the School Director.				
Observations for part-time students				
Part-time students will need to agree with the responsible professor a teaching and evaluation plan to ensure an adequate transfer of knowledge as well as a fair evaluation procedure. The minimum requirement for this students will be to complete a piece of homework and to assist to the final exam of the subject. The weights of each part will be proportional to the weight those parts presents in the general evaluation scheme of the subject.				

8. BIBLIOGRAPHY AND TEACHING MATERIALS
BASIC
Smith, T.M. & Smith, R.L. 2008. Ecología. 6ª edición. Addison-Wesley,
Barnes, R.S.K. & Mann, K.H. 1991. Fundamentals of aquatic ecosystems. Blackwell Scientific Publications. Oxford. 2ª Edición.
Dobsom, M., Frid C.H. 1998. Ecology of aquatic ecosystems. A.W. Longman Ltd. Harlow. UK. 222 pp.