

SYLLABUS

1. COURSE DESCRIPTION

Degree:	Biotechnology
Course:	Animal and Plant Biology
Module:	Foundations of Biology, Microbiology and Genetics
Department:	Physiology, Anatomy and Cell Biology
Academic Year:	2017-18
Term:	Second
ECTS credits:	6
Year:	1st year
Type:	Basic
Language:	Spanish

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

SYLLABUS

2. LECTURERS

2.1. Coordinator: Jesús Rexach Benavides

2.2. Lecturer	
Name:	Jesús Rexach Benavides
School:	School of Experimental Sciences
Department:	Physiology, Anatomy and Cell Biology
Area:	Plant Physiology
Office Hours:	Mondays and Thursdays: 10.00-12.00, Tuesdays:16.00-18.00 (please, contact previously through e-mail) Virtual tutoring is also available
Office:	22.1.17
E-mail:	jrexben@upo.es
Phone:	954349135

Name:	DANIEL JOSÉ MORENO FERNÁNDEZ-AYALA
School:	School of Experimental Sciences
Department:	Physiology, Anatomy and Cell Biology
Area:	Cell Biology
Office Hours:	Mondays and Tuesdays: 10.00-13.00 (it is vital to contact previously through e-mail)
Office:	22.3.1C
E-mail:	dmorfer@upo.es
Phone:	954978184

SYLLABUS

3. TOPICS

TOPIC I: ANIMAL BIOLOGY

- Unit 1. The animal cell.
- Unit 2. Animal development.
- Unit 3. Epithelial tissue.
- Unit 4. Connective tissue and specialization.
- Unit 5. The internal environment: blood.
- Unit 6. Muscle tissue. Muscle.
- Unit 7. Nervous tissue.
- Unit 8. Information gathering tissue.

TOPIC II: PLANT BIOLOGY

- Unit 9. The plant cell.
- Unit 10. Plant embryogenesis.
- Unit 11. Meristematic tissue.
- Unit 12. Simple tissue.
- Unit 13. Vascular tissue.
- Unit 14. Protective tissue.
- Unit 15. Secretory tissue.