

SYLLABUS

1. COURSE DESCRIPTION

Degree:	Biotechnology
Course:	Biotechnological Processes
Module:	Bioengineering and Biotechnological Processes. Biotechnological Processes
Department:	Molecular Biology and Biochemical Engineering
Academic Year:	2017-2018
Term:	First
ECTS credits:	6
Year:	4th year
Type:	Compulsory
Language:	Spanish

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



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2. LECTURERS

Coordinator	
Name:	María de la Menta Ballesteros Martín
School:	School of Experimental Sciences
Department:	Molecular Biology and Biochemical Engineering
Area:	Chemical Engineering
Office Hours:	Tuesdays, Wednesdays and Thursdays: 11.30-13.30 <i>(previous appointment through e-mail)</i>
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3. TOPICS

- Unit 1: Biotechnology: integrated analysis. Industrial biotechnology
- Unit 2: Biotechnological processes modelling
- Unit 3: Biotechnological processes simulation
- Unit 4: Biotechnological processes optimization
- Unit 5: Biotechnological processes design
- Unit 6: Biotechnological processes synthesis
- Unit 7: Biotechnological processes control and instrumentation
- Unit 8: Biotechnological processes: practical cases. Obtaining products of industrial interest



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