

SYLLABUS

1. COURSE DESCRIPTION

Degree:	Biotechnology
Course:	Biochemistry: Biomolecules
Module:	Biochemistry and Molecular Biology
Department:	Molecular Biology and Biochemical Engineering
Academic Year:	2017-18
Term:	Second
ECTS credits:	6
Year:	1st year
Type:	Basic
Language:	Spanish

Course Model:	B1	
a. Basic learning (EB):		27 hours
b. Practical learning (EPD):		18 hours

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2. LECTURERS

Coordinator	
Name:	Juan Rigoberto Tejedo Huamán
School:	School of Experimental Sciences
Department:	Molecular Biology and Biochemical Engineering
Area:	Biochemistry and Molecular Biology
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3. TOPICS

1. INTRODUCTION
2. BIOELEMENTS AND WATER
3. CARBOHYDRATES STRUCTURE
4. PROTEIN STRUCTURE
5. ENZYMES
6. FUNCTION AND INTERACTION OF PROTEINS
7. LIPIDS STRUCTURE
8. NUCLEIC ACIDS: STRUCTURE AND FUNCTION
9. BIOENERGY AND BIOLOGICAL OXIDATION