

SYLLABUS

1. COURSE DESCRIPTION

Degree:	Nutrition and Dietetics
Course:	Nutrigenomics
Module:	Basic Sciences
Department:	Molecular Biology and Biochemical Engineering
Academic Year:	2017-18
Term:	First
ECTS credits:	4.5
Year:	3rd year
Type:	Optional
Language:	Spanish

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

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2. LECTURERS

2.1. Coordinator: José A. Horcujadas Almansa

2.2. Lecturers	
Name:	José A. Horcujadas Almansa
School:	UPO
Department:	Molecular Biology and Biochemical Engineering
Area:	Genetics
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3. TOPICS

Introduction

Basic concepts of Genomics and Functional Genomics, Proteomics, Metabolomics and Systems Biology

Introduction to Nutrigenetics and Nutrigenomics and Personalized Nutrition

Transgenic Foods

Functional Foods

Nutrigenomics from the consumer's perspective

Scientific quality in nutrigenomics

Legal aspects of nutrigenomics

The impact of nutrigenomics in the food industry

Nutrigenomics and cancer

Nutrigenomics and cardiovascular diseases

Nutrigenomics and metabolic syndrome