

SYLLABUS

1. COURSE DESCRIPTION

Degree:	Nutrition and Dietetics
Course:	Applied Chemistry
Module:	Basic Science
Department:	Physical, Chemical and Natural Systems
Academic Year:	2017-18
Term:	First
ECTS credits:	6
Year:	1st year
Type:	Basic
Language:	Spanish

Course Model:	B1	
a. Basic learning (EB):		60 %
b. Practical learning (EPD):		40 %

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2. LECTURERS

Coordinator	
Name:	Tânia Isabel Lopes da Costa
School:	School of Experimental Sciences
Department:	Physical, Chemical and Natural Systems
Area:	Physical Chemistry
Office Hours:	Mondays, Tuesdays and Wednesdays: 12.00-14.00
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3. TOPICS

BASIC LEARNING (EB)

UNIT 1. Principles of chemistry and mass structure

UNIT 2. Thermodynamics and kinetics

UNIT 3. Reactions

UNIT 4. Organic Chemistry

PRACTICAL LEARNING (EPD)

Practice 1: Identification and handling of laboratory material: Preparation of solutions and density measurement.

Practice 2: Spectrophotometric determination of total iron in wines.

Practice 3: Calorimetry.

Practice 4: Determination of the acidity of a commercial vinegar.