

SYLLABUS

1. COURSE DESCRIPTION

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

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

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2. LECTURERS

2.1. Coordinator: Ignacio Jáuregui Lobera

2.2. Lecturers	
Name:	Ignacio Jáuregui Lobera
School:	UPO
Department:	Molecular Biology and Biochemical Engineering
Area:	Nutrition and Bromatology
Office Hours:	<p>-The students contact through e-mail or have tutoring appointments during the hours specified by the lecturer at the beginning of the course.</p> <p>-There are compulsory tutoring hours for small groups of students that the lecturer will specified in class.</p>
Office:	22.2.01.G
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3. TOPICS

1. BASIC CONCEPTS

Unit 1: Introduction. Nutritional Pathology: concept and purpose.

Unit 2: Nutritional status evaluation. Specific aspects in childhood.

Unit 3: General aetiology of nutritional disorders.

2. NUTRITIONAL DISEASES

Unit 4: General symptoms. Malnutrition and undernutrition. Concept and types (protein, caloric).

Unit 5: Thinness: aetiology, prevention, treatment. Fasting: adaptation and metabolic Response.

3. METABOLISM OF MICRONUTRIENTS, PATHOLOGIES

Unit 6: Bone metabolism and nutrition I: rickets, osteomalacia.

Unit 7: Bone metabolism and nutrition II: osteopenia, osteoporosis.

Unit 8: Iodine deficiency and endemic goitre.

Unit 9: Nutrition and alcoholism.

Unit 10: Nutritional anaemias.

Unit 11: A vitamin. Xerophthalmia and nutritional blindness.

Unit 12: C vitamin. Scurvy.

Unit 13: B1 vitamin. Beriberi. Wernicke-Korsakoff syndrome.

Unit 14: B3 vitamin. Pellagra.

4. NUTRITION AND PATHOLOGIES OF THE DIGESTIVE SYSTEM

Unit 15: Digestive function evaluation.

Unit 16: Malabsorption syndrome.

Unit 17: Oesophageal pathology. Organic and functional dysphagia.

Unit 18: Gastroduodenal pathology. Gastroesophageal reflux. Hernia hiatus. Ulcer gastroduodenal. Gastric cancer.



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Unit 19: Intestinal pathology. Inflammatory bowel disease Syndrome short bowel. Irritable colon Diarrhoea. Constipation. Colon cancer.

Unit 20: Liver pathology. Acute and chronic hepatic insufficiency.

Unit 21: Pancreatic pathology: pancreatitis (acute and chronic) and pancreatic cancer.

Unit 22: Biliary pathology. Cholelithiasis.

Unit 23: Major surgery of the digestive system.

5. EATING DISORDERS

Unit 24: Anorexia nervosa.

Unit 25: Bulimia nervosa.

Unit 26: Unspecified eating disorders and other nutritional disorders.

6. FINAL PROJECT

7. FINAL PROJECT PRESENTATION AND ASSESSMENT