

SYLLABUS

1. COURSE DESCRIPTION

Degree:	Nutrition and Dietetics
Course:	Physiopathology
Module:	
Department:	Physiology, Anatomy and Cell Biology
Academic Year:	2017-18
Term:	Second
ECTS credits:	6
Year:	2nd year
Type:	Compulsory
Language:	Spanish

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

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2. LECTURERS

Coordinator	
Name:	Eva M^a Pérez Villegas
School:	School of Experimental Sciences
Department:	Physiology, Anatomy and Cell Biology
Area:	Physiology
Office Hours:	The lecturer will tell the office hours at the beginning of the course
Office:	22.B09
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Phone:	

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3. TOPICS

BASIC LEARNING (EB)

1. ETIOLOGY AND GENERAL PATHOLOGY

UNIT 1. CONCEPT OF PHYSIOLOGY. TERMINOLOGY

2. PHYSIOLOGY AND GENERAL PATHOGENESIS OF THE DIGESTIVE SYSTEM

UNIT 2. PHYSIOPATHOLOGY OF THE ORAL CAVITY

UNIT 3. PHYSIOPATHOLOGY OF THE ESOPHAGUS

UNIT 4. PHYSIOPATHOLOGY OF THE STOMACH

UNIT 5. PATHOPHYSIOLOGY OF THE INTESTINE (I)

UNIT 6. PATHOPHYSIOLOGY OF THE INTESTINE (II): DISEASES INFLAMMATORY OF THE INTESTINE

UNIT 7. PATHOPHYSIOLOGY OF THE INTESTINE (III): ALTERATIONS OF THE DIGESTION AND INTESTINAL ABSORPTION

UNIT 8. PHYSIOPATHOLOGY OF THE EXOCRINE PANCREAS

UNIT 9. PHYSIOPATHOLOGY OF THE LIVER AND THE BILIARY

PRACTICAL LEARNING (EPD)

1. Observation and description of sections of nervous and digestive systems tissues under the optical microscope.
2. Study and differentiation by clear camera, structures such as pancreas, liver, gallbladder.
3. Techniques of staining and processing of tissue manipulation prepared by different means of inclusion.
4. Pathophysiology of the embryonic development of the central nervous system.
5. Handling of chicken embryos, injection of ink for visualization and prosecution.
6. Student seminar (group).
7. Learning to measure parameters such as blood pressure and lung capacity with instrumentation.



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8. Evaluation of the nutritional status according to the different pathologies (dysphagia, Alzheimer's, obesity, haemodialysis). Elaboration of diets according to these insufficiencies.
9. Digestive activities in different regions of the digestive tract.