1. OVERVIEW

Subject Area	Parasitology
Degree	Nutrition
School/Faculty	Faculty of Nursing, Nutrition and Dietetics
Year	2º
ECTS	3
Type	Compulsory
Language(s)	Spanish
Delivery Mode	On-campus and blended
Semester	4
Coordinating professor	Iris Azami

2. INTRODUCTION

This subject area takes place in the second year of the degree and is compulsory. Parasitology is worth 3 ECTS credits and includes theory classes and lab practicals. The overall objectives of the subject area are:

- Provide necessary knowledge about the general aspects of parasitology.
- Gain knowledge of parasites that may affect food, including their life cycles, how they are transmitted and the diseases/problems they may cause.
- Describe ways of controlling and preventing parasitic diseases that affect food.

3. SKILLS AND LEARNING OUTCOMES

Key skills (CB, by the acronym in Spanish):

- CB1: Students have shown their knowledge and understanding of a study area that builds on general secondary school education, and are usually at the level where, with the support of more advanced textbooks, they may also demonstrate awareness of the latest developments in their field of study.
- CB3: Students have the ability to gather and interpret relevant data (usually within their study area) to form opinions which include reflecting on relevant social, scientific or ethical matters.

- CB4: Students can communicate information, ideas, problems and solutions to both specialist and non-specialist audiences.

General skills (CG, by the acronym in Spanish):

- CG11: Be familiar with the microbiology, parasitology and toxicology of food.

Cross-curricular skills (CT, by the acronym in Spanish):

- CT1: Ability to engage in active listening, ask questions and respond in a clear and concise way, as well as to effectively express ideas and concepts. This includes concise and clear written communication.
- CT9: Ability to put knowledge into practice, using the skills acquired in the classroom to mock situations based on real life experiences that occur in the relevant profession.

Specific skills (CE, by the acronym in Spanish):

- CE61: Understand the concept of parasite and the general classification of parasites in humans.
- CE62: Know the relationship between parasite and host.
- CE63: Learn about the different foodborne pathogenic parasites and the prevention and control of the diseases they cause.

Learning outcomes (RA, by the acronym in Spanish):

- RA1: Know the life cycles of the major parasites that affect humans.
- RA2: Know about the transmission mechanisms of the major parasites that cause parasitic disease.
- RA3: Be familiar with foodborne parasites.
- RA4: Demonstrate knowledge of how parasitology is applied to food science.

The following table shows how the skills developed in the subject area match up with the intended learning outcomes:

Skills	Learning outcomes
CB1, CB3, CB4, CT1, CE61, CE62	RA1: Know the life cycles of the major parasites that affect humans.
CB1, CB3, CB4, CT1, CE62	RA2: Know about the transmission mechanisms of the major parasites that cause parasitic disease.
CB1, CB3, CB4, CG11, CT1, CT9, CE63	RA3: Be familiar with foodborne parasites.

4. CONTENTS

The subject area is divided into six learning units (UA, by the acronym in Spanish) which are then divided into topics (two or three topics depending on the unit). Furthermore, the overall set of objectives established for the module is specifically linked to each unit:

UNIT 1: INTRODUCTION TO PARASITOLOGY

- TOPIC 1: General aspects of Parasitology
- TOPIC 2: Foodborne parasites

UNIT 2: PROTOZOA AND COCCIDIA

- TOPIC 3: Intestinal protozoa
- TOPIC 4: Intestinal coccidia

UNIT 3: HELMINTHS

- TOPIC 5: Trematodes
- TOPIC 6: Cestodes
- TOPIC 7: Nematodes

5. TEACHING/LEARNING METHODS

The types of teaching/learning methods are as follows:

- Independent reading of topics
- Learning based on workshops/labs
- Problem-based learning
- Collaborative learning

6. LEARNING ACTIVITIES

The types of learning activities, plus the amount of time spent on each activity, are as follows:

On campus:

Learning activity	Number of hours
Lecture	25 h
Independent working	20 h
Problem-solving	4 h
Lab work	9 h
Tutorials	14 h
Knowledge test	3 h

TOTAL	**75 h**

Blended:

Learning activity	Number of hours
Reading of content	5 h
Online seminars	5 h
Independent working	24 h
Problem-solving	15 h
Lab work	9 h
Online tutorials	14 h
Knowledge test	3 h
TOTAL	**75 h**

7. ASSESSMENT

The assessment methods, together with their respective weighting towards the final grade for the subject, are as follows:

On campus:

Assessment method	Weighting (%)
Problem-solving	20
Learning portfolio	10
Learning based on workshops/labs	20
Knowledge test	50

Blended:

Assessment method	Weighting (%)
Problem-solving	20
Learning portfolio	10
Learning based on workshops/labs	20
Knowledge test	50

On the Virtual Campus, when you open the subject area, you can see all the details of your assessment activities, including the deadlines and assessment procedures for each activity.

9. BIBLIOGRAPHY

The core bibliography is indicated below:The recommended bibliography is indicated below:
Recommended websites: