

26764 - Histology II (Special Histology)

Syllabus Information

Academic year: 2023/24

Subject: 26764 - Histology II (Special Histology)

Faculty / School: 104 - Facultad de Medicina

229 - Facultad de Ciencias de la Salud y del Deporte

Degree: 304 - Degree in Medicine

305 - Degree in Medicine

ECTS: 6.0

Year: 2

Semester: First semester

Subject type: Compulsory

Module:

1. General information

The main objective of Histology II (Special Histology) is to know and understand the microscopic organization of the various organs and body systems. This subject is based on the knowledge acquired in subjects studied in the first semester (mainly Biology and Biochemistry) and in the second semester, Histology I (General Histology).

This approach is aligned with the following Sustainable Development Goals (SDGs) of the United Nations Agenda 2030 (<https://www.un.org/sustainabledevelopment/es/>), so that the acquisition of the learning results of the subject will contribute to the achievement of Goals 3 and 4

2. Learning results

In order to pass this subject, the students shall demonstrate they has acquired the following results:

To know the tissues that form the different organs and body systems.

To understand the microscopic organization of the different organs and body systems.

To recognize with microscopic methods the structure of the various organs and systems.

3. Syllabus

CIRCULATORY SYSTEM

- Heart
- Blood and lymphatic vessels.

IMMUNE SYSTEM

- Timo
- Lymph node
- Spleen
- Mucosal-associated lymphoid tissue

RESPIRATORY SYSTEM

- Respiratory tract
- Lung

DIGESTIVE SYSTEM

- Oral cavity and oropharynx
- Oesophagus and stomach
- Intestine
- Salivary glands and pancreas
- Liver

URINARY SYSTEM

- Kidney
- Urinary tract

MALE GENITAL APPARATUS

- Testicle

- Spermatic pathways

FEMALE GENITAL APPARATUS

- Ovary
- Genital tract
- Mammary gland

ENDOCRINE SYSTEM

- Pituitary
- Pineal gland
- Thyroid gland and parathyroid glands
- Adrenal glands

SENSE ORGANS

- Eyeball
- Heard

4. Academic activities

MASTER CLASSES

The theoretical contents of the subject will be taught assuming that the students will have previously studied the topics, using the didactic material provided at the beginning of the term.

PRACTICAL CLASSES

They will be taught in the microscope room and the students will study with the optical microscope the histological samples that will be available to them.

SEMINARS

Discussions of optical and electron microphotographs by students and teacher.

WORK

In groups, the students will make a video with microphotographs of the content of the different topics of the subject where the fundamental structures of each organ will be pointed out

5. Assessment system

The evaluation will take into account a theoretical exam, a practical exam and assignments.

1. THEORETICAL EXAMINATION.

It will consist of 2 parts: 1st) multiple-choice and/or true-false questions, and 2nd) microphotographs in which students should identify and point out histological details.

In order to pass the exam, a grade of 5 (pass) must be obtained in each of the parts.

2. PRACTICAL TEST

The practical examination will consist of optical microscopic observation of several histological slides. Students should identify the organ in question and provide a brief histological description.

In order to pass the exam, a grade of 5 (pass) must be obtained and at least 70% of the practical sessions must be attended.

3. WORKS

The tutored papers will be graded from 0 to 10.

EVALUATION CRITERIA AND LEVELS OF DEMAND

In order to pass the subject it is necessary to obtain a grade of 5 in the theoretical exam and in the practical exam.

The final grade for the subject will be obtained from the sum of:

- 75 % of the theoretical exam grade
- 20% of the practical exam grade
- 5% of the grade of the paper