

Academic Year/course: 2021/22

26764 - Histology II (Special Histology)

Syllabus Information

Academic Year: 2021/22

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

2. Learning goals

3. Assessment (1st and 2nd call)

4. Methodology, learning tasks, syllabus and resources

4.1. Methodological overview

The methodology followed in this course is based on lectures, practice sessions, seminars, and assignments.

Information regarding the course will be provided on the first day of the class including the course syllabus, a detailed calendar of lectures, practice sessions, seminars and exams, teaching material and online support material. All this information will be available via Moodle.

The students will have an interactive DVD with the same histological preparations to which they have access in the practice sessions (Contamina P., Parra P. y García Rojo M., Atlas of Histology, Virtual Histological Preparations, Ed. University Press of Zaragoza, 1st ed., Interactive DVD, 2013). In addition, students have a website (wzar.unizar.es/acad/histologia) in which they can find an "Atlas of Histology" with the same histological preparations from the practice sessions.

4.2. Learning tasks

The course includes 6 ECTS organized according to:

- Lectures: the professor will present theoretical contents already available at the Moodle website. Sessions will last 50 minutes.
- Practice sessions: in the microscope room students will observe with the optical microscope histological samples.
- Seminars and assignments: in groups, students will elaborate an essay related to topics of the subject. Seminars will consist of discussing optical and electronic microphotography.
- In FCCSD, Given the exceptional situation of the Academic Year 2021-2022, the large group teaching system could be online, that is to say, in a synchronic telematic system, by which teachers and students will be connected through technologies that allow interaction, such as Google Meet

4.3. Syllabus

The course will address the following topics:

- **CARDIOVASCULAR SYSTEM**
 - Topic 1.? Heart
 - Topic 2.? Blood vessels. Lymphatic vessels.
- **LYMPHATIC SYSTEM**
 - Topic 3.? Overview of the Lymphatic System.
 - Topic 4.? Thymus.
 - Topic 5.? Lymph node. Mucosa-associated lymphatic tissue.
 - Topic 6.? Spleen.
- **RESPIRATORY SYSTEM**
 - Topic 7.? Respiratory tract.
 - Topic 8.? Lung.
- **DIGESTIVE SYSTEM**
 - Topic 9.? Oral cavity. Oropharynx.
 - Topic 10.? Esophagus. Stomach.
 - Topic 11.? Intestine.
 - Topic 12.? Salivary glands. Pancreas.
 - Topic 13.? Liver. Gallbladder.
- **URINARY SYSTEM**
 - Topic 14.? Kidney.
 - Topic 15.? Urinary tract.
- **MALE REPRODUCTIVE SYSTEM**
 - Topic 16.? Testis.
 - Topic 17.? Genital ducts. Accessory sex glands. Penis.
- **FEMALE REPRODUCTIVE SYSTEM**
 - Topic 18.? Ovary.
 - Topic 19.? Uterine tubes. Uterus. Vagina.
 - Topic 20.? Mammary glands.
- **SENSE ORGANS**
 - Topic 21.? Eye.
 - Topic 22.? Internal ear.
- **ENDOCRINE ORGANS**
 - Topic 23.? Hypophysis.
 - Topic 24.? Pineal gland.
 - Topic 25.? Thyroid gland. Parathyroid glands
 - Topic 26.? Adrenal glands.
- **LABORATORY SESSIONS**
 - Topic 1.? Cardiovascular system
 - Topic 2.? Lymphatic system
 - Topic 3.? Respiratory system
 - Topic 4.? Digestive system I
 - Topic 5.? Digestive system II
 - Topic 6.? Urinary system
 - Topic 7.? Male reproductive system
 - Topic 8.? Female reproductive system
 - Topic 9.? Sense organs
 - Topic 10.? Endocrine organs

4.4. Course planning and calendar

The designed program includes the following activities:

- theoretical lessons: 3 h a week
- practice sessions: 1 h a week
- seminars: 1 h a week

4.5. Bibliography and recommended resources

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=26764>