

26764 - Histology II (Special Histology)

Syllabus Information

Academic Year: 2019/20

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

1.1.Aims of the course

1.2.Context and importance of this course in the degree

1.3.Recommendations to take this course

2.Learning goals

2.1.Competences

2.2.Learning goals

2.3.Importance of learning goals

3.Assessment (1st and 2nd call)

3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

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.

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.
 - Topic 23.? Olfactory mucosa. Taste buds.
- **ENDOCRINE ORGANS**
 - Topic 24.? Hypophysis.
 - Topic 25.? Pineal gland.
 - Topic 26.? Thyroid gland. Parathyroid glands
 - Topic 27.? 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

Details concerning the timetable, classroom and further information regarding this will be provided on the first day of class

and will be available via Moodle.

The designed program includes the following activities: 30h theoretical lessons, 15h practice session, 15h seminar, 10h tutored work, 3h evaluation

4.5. Bibliography and recommended resources

<http://psfunizar7.unizar.es/br13/eBuscar.php?tipo=a>