

Biol 3006- Histology Course

Instructor Information

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Course Goals

The general goals of this course are:

- To provide the students with the opportunity to acquire and enhance their knowledge, skills, and capacities to understand the cell biology and physiology of the human body. This will serve them in future basic and medical education and practice and encourage future involvement in supervised and independent biomedical research.
- To familiarize students with normal human tissue structure and function and prepare them for future learning and studies of abnormal human organ and tissue structures and pathology.

Course Description

This course is designed to provide students with an understanding of the structure of organs and tissues and the ability to recognize tissues at the microscopic level. However, while the focus in Histology is on the composition of tissues and organs, structures have very little meaning without understanding how they relate to function. Emphasis of this course is placed on the structure/function relationship of tissues and organ systems as this helps identification of pathological changes that result in diseases.

Each scheduled session begins with a lecture reviewing the structural features and hallmark identifiers of the tissue or organ to be studied during the session. This “warm-up” lecture will enable students to assimilate and move more efficiently and effectively through the session’s learning objectives.

Thereafter, students have the option to either use a microscope to study sections of a tissue or organ laid out on glass slides, or access **digital slides (i.e., virtual microscopy)** that they can browse on their laptop computers or iPads. Students will be provided with a laboratory manual, a compilation of study objectives and features to be examined under the microscope or in digital slides. Thought-questions and structure/function correlates are also included within the text of the manual. Instructor will be available to answer all questions.

Assessment and Grading

Students will have weekly assignments due Sunday night at 11:59 PM after each class.

Students will also take scheduled mid-term and final exams.

Attendance and participation will factor into grading as well.

Grading Breakdown:

Weekly assessments: 5% each (65% total)

Midterm Exam: 15%

Final Exam: 15%

Attendance/Participation: 5%

Office hours:

W-F 5-7 pm or by appointment