

FLORIDA INTERNATIONAL UNIVERSITY
Department of Biological Sciences
ZOO 3753---HISTOLOGY (FALL 2016)

Lectures/Exams : M 7:50-10:30pm Room AHC3 110 and online sessions via Mediasite (TBD with links)

Course description:

This is a one semester lecture course focusing on the microscopic anatomy of cells, tissues, and organs and is primarily for advanced undergraduates and post-baccalaureate students pursuing careers in the health science professions: Medicine, Dentistry, Pharmacy, Veterinary Medicine, Optometry. Prerequisites include the following: *General Biology I (BSC 1010)*, *Organic Chemistry I (CHM2210)*, & *Organic Chemistry II (CHM2211)*.

Learning objectives:

Upon completion of this course, the **ZOO 3753** student will be able to :

- 1) Identify the various staining methods utilized to prepare tissue samples.
- 2) Review and understand basic cytological structure and function.
- 3) Identify and describe the basic tissues that occur in the mammalian body plan.
- 4) Identify and describe the basic microscopic structure and function of the organ systems in the mammalian body plan.

Required text:

Eroschenko, V. (2012) *diFiore's Atlas of Histology w/ Functional Correlations, 12th Ed.* Baltimore, Maryland: Lippincott Williams and Wilkins Publishing.

Instructor :

Ferdinand Gomez

Office/Contact Information:

AHCII 155

(305)348-6176 (voice mail)----e-mail: gomezf@fiu.edu

Grading policy :

There will be three multiple-choice exams administered this semester, **of which all scores will be calculated for the final grade.** The grading scale is as follows: **A=100-90, B=89-80, C=79-70, D=69-60, F=59-0 (no plus or minuses).** **Exams must be taken during the designated day/time and missed exams will result in a zero score. There will be no make-up exams administered unless circumstances beyond the student's control arise and are immediately accompanied by the appropriate documentation: 1) Death in immediate family member requires official bereavement statement. 2)**

Student/immediate family member with acute/terminal illness requires official hospital/clinic discharge notification. 3) Traffic accident requires official accident report. 4) Jury duty requires county clerk summons. 5) Military assignment/deployment. The aforementioned will be taken into consideration or, if applicable, allow students to request an «Incomplete » grade. Candidates for grades of « Incomplete » include those students that have completed 60% of the course work satisfactorily (C grade or higher) and cannot justifiably finish the course (planned vacation/business trips do not constitute a serious interruption).

If any of the preceding information elicits a conflict of interest, you are strongly urged to DROP the course.

Cheating policy : Cheating (ie. possession of electronic devices [I-phones/watches], crib sheets/notes, glaring at another's paper) during any of the administered exams is a direct violation of FIU's student conduct code and will not be tolerated in this course. The instructor will be proctoring exams diligently; violators will either receive a failing semester grade or be subjected to university administrative action.

“Florida International University is a community dedicated to generating and imparting knowledge through excellent teaching and research, the rigorous and respectful exchange of ideas, and community service. All students should respect the right of others to have an equitable opportunity to learn and honestly demonstrate the quality of their learning. Therefore, all students are expected to adhere to a standard of academic conduct, which demonstrates respect for themselves, their fellow students, and the educational mission of the University. All students are deemed by the University to understand that if they are found responsible for academic misconduct, they will be subject to the Academic Misconduct procedures and sanctions, as outlined in the Student Handbook.”

Tips on the successful completion of this course:

1. Attendance is mandatory for in-class sessions! Poor attendance culminates in poor grades!
2. Make major emphasis on careful note-taking, transcribing, pre-reading skills, and accessing videos on a timely basis.
3. In the case of missed lecture days or impending absences, students are responsible for obtaining downloaded lecture notes and in-class announcement information from fellow classmates (do not summon-e-mail the instructor for this).
4. All electronic communication equipment should be silenced (ie. I-phones), so as to not encumber the learning and thinking process of others. Photographing/image capturing of lecture sessions is not allowed.
5. Disruptive behavior during lectures/exams is deemed inappropriate and will not be tolerated.

Mediasite Online Instructional Videos

A portion of the course content will be delivered via pre-recorded online videos courtesy of FIU's Division of Technology Mediasite. Below is a tutorial on how to access the video sessions. The videos can be viewed at the FIU student computer labs, PCs, tablets, etc; however, please make sure that you have the appropriate media support if you are utilizing off-campus devices (see info. below) in order to ensure smooth streaming. It is HIGHLY recommended that all view the sessions early in the week (ie. during your scheduled lecture session) just in case you encounter technical difficulties that can be rectified by the Mediasite associates (mediasiteadmins@fiu.edu) accordingly, in lieu of encountering problems during the weekend when their availability is limited (do not wait until exam day to view the sessions). Please be advised, any technical difficulties regarding video access, viewing, downloading, etc. DO NOT e-mail the instructor, please address all inquiries to **mediasiteadmins@fiu.edu**. The associates at Mediasite will be more than happy to work with all students and resolve any and all issues. Safety tip: Do not view session while lying in bed, you may doze off and drop your device!

How to access videos:

1. Click desired link.
2. A mostly blank page will open up with a button titled "authenticate".
3. Click "Authenticate".
4. A website containing the FIU logo should pop up asking for your FIU credentials. The user name and password they require is the same as your FIU user name and password used to access the my.fiu.edu account.
5. Log in and take notes!

Also, please read the following useful information courtesy of the Mediasite associates:

1. When students log in to Mediasite, they must use their username (e.g., gomezf) and NOT their PantherID. The password is their MyFIU password.
2. Any technical issues can be sent to mediasiteadmins@fiu.edu
3. To see if the student's computer meets the viewing requirements for Mediasite, they can visit this link:
<https://support.sonicfoundry.com/Training/ViewingRequirements>
4. Requirements for viewing a Mediasite Presentation can be found here:
<https://support.sonicfoundry.com/Knowledge/Article/000003279>
5. It is highly recommended to use Firefox and disable "pop-up blockers".

- **Please be advised that the course syllabus lecture schedule of activities is subject to change at the instructor's discretion !**
- **Best of luck to all and have a pleasant semester !**

ZOO 3753 fall semester lecture schedule

Dates:

- 8/29 In class session: : Course introduction/orientation; Chptr.1 (Histological Methods); Online video [Chptr.2](#) (The Cell)
- 9/5 Labor Day Holiday**
- 9/12 In class session: [Chptr.4](#) (Epithelial tissue)
- 9/19 In class & online video Chptrs. [5,7](#) (Connective tissue proper; Cartilage, Bone)
- 9/26 Online video: Chptrs.8,9 (Muscle; Neural)
- 10/3 Exam I (Chptrs 1, 2, 4, 5, 7-9) ; Online video: [Chptrs.6, 10](#) (Haematopoietic tissue; Cardiovascular System)**
- 10/10 Online video: [Chptr.11](#) (Lymphoid tissue/Immune System)
- 10/17 Online video: [Chptrs.17](#) (Respiratory System); [Chptrs.12](#) (Integumentary System)
- 10/24 Exam II (Chptrs.6, 10, 11, 12, 17)**

10/31 In class session: Chptr.13-16 (Digestive System); last day (10/31) to drop with a «DR» grade

11/7 In class session: Chptr.13-16 (cont'd); Chptrs.18, 20,21 (Urogenital System)

11/14 In class session: Chptr.19 (Endocrine System)

11/21 *Thanksgiving Holiday*

11/28 *Exam III (Chptrs.13-16,18-21)*