

FLORIDA INTERNATIONAL UNIVERSITY
Department of Biological Sciences
FALL 2016
ZOO 3753L Histology Lab

Rm: OE 309 for exams and PLTL orientation only, see select dates in schedule below

Days/times:

W 5:30-7:40pm (sect.1)

R 5:30-7:40pm (sect.2)

R 8-10:30pm (sect.3)

Course Description:

The histology lab is a ***self-study***, (online video tutorials, self-study computer image labeling exercises, in-class organ demos and exams) module allowing students to examine tissue samples via computer-based imaging. The lab course is primarily a descriptive survey of basic and organ systems histology; however, where applicable, gross specimens will be demonstrated for histological correlations. These labs are designed for ***highly motivated, self-starting*** students, in that each session encompasses a select number of microstructures and organ tissue samples to be studied and identified (students are advised to utilize their self-study time wisely and efficiently).

Prerequisites/Eligibility:

One lab course in General Biology and Organic Chemistry; Junior or Senior status; Pre-Health professions tracks (Medicine, Dentistry, Pharmacy, Optometry, PA, etc.)

Required text:

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

Instructor:

Ferdinand Gomez

Office/Contact Information:

AHC II 155A

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

Grading Policy/Course Protocol:

There will be two in-class practical exams (**midterm 40%, final 60%**) administered this semester, of which both will be calculated to determine the final grade. The practical exams (**1 hour time limit**) comprise the proper written identification and/or description (**spelling counts!**) of specific microanatomical/gross structures pertinent to the material covered in the previous online tutorial sessions, self-study computer image labeling exercises, and organ demo sessions. Lab protocol **requires** that all students view the pertinent online video sessions, label the assigned JPG images, and attend the **two** mandatory organ demo sessions (lab attire is mandatory for the in-class organ demo sessions). ***Be advised that unpreparedness can only result in practical exam bewilderment and poor semester grades!*** The grading scale for this course is as follows: **A=100-90, B=89-80, C=79-70, D=69-60, F=59-0** (no plus or minuses). ***The practical exams are in-class and there are absolutely no make-ups this course (missed practical exams constitute a zero score) unless circumstances beyond the student's control arise and are IMMEDIATELY accompanied (upon return) 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 notification;***
- 3) Traffic accident requires official accident report;***
- 4) Jury duty requires county clerk summons;***
- 5) Military assignment/deployment.***

The preceding will be taken into consideration and the student must reschedule a practical exam within the exam week « window » or (if applicable) request an «Incomplete » grade ». Candidates for grades of « Incomplete » include those students that have completed 60% of the course work satisfactorily (C grade) and cannot justifiably finish the course (planned vacations/business trips do not constitute a serious interruption).

PLTL:

ZOO3753L students have the option of participating in the Peer-Led Team Learning (PLTL) sessions. Registered students will have weekly meetings with a PLTL leader along with a small group of students. The PLTL leader's role as facilitator will guide students through assigned activities that can only enhance comprehension of histology. If you decide to fully participate in PLTL, your PLTL accrued points will be converted to a (maximum attainable) 100 points and averaged into your lowest exam score only (ie. lowest exam score + 100 PLTL points/2=adjusted lowest exam score). All students are encouraged to utilize the PLTL resources to the utmost; however, students opting not to fully participate in PLTL will not accrue any semester points (lowest lab exam scores are not dropped in this course).

Mediasite Online Instructional Videos

A good portion of the lab discussions 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".

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

Required Material:

- (1) Downloaded checklists and designated course textbook.
- (2) Organ demo lab session attire (lab coats or clinical scrubs, closed footwear);
this will strictly enforced---no lab attire, no organ lab session entry!

***It is vital that that *all* students attend the organ demonstration sessions. There are not many undergraduate histology laboratory courses that offer such furnishings; therefore, take advantage so that *all* may receive optimal instruction and that this course will be a unique, rewarding, educational experience.**

Cheating policy: Cheating (ie. possession of crib sheets/notes, glaring at another's paper, etc.) 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 receive a zero score and/or be subjected to departmental/university administrative action.

***Please be advised that the syllabus schedule of events and/or its contents is subject to change at the instructor's discretion.**

Best of luck to all and have a pleasant semester! 😊

HISTOLOGY LAB SCHEDULE

Week of :

- 9/5 Course introduction/orientation; **Lab I** The Cell
- 9/12 **Online Video-Labs II & III:** Epithelia & CT Proper; Supportive-Fluid CT
- 9/19 **Self-study: JPG image labeling (Cell; Epithelia; CT proper & supportive)**
- 9/26 *Online Video-Lab IV:* Muscle, Neural
- 10/3 Self-study: JPG image labeling (Muscle, Neural); Organ demo-time & room TBA**
- 10/10 Midterm Practical Examination-Basic histology (Labs I-IV)**
- 10/17 *Online Video-Labs V & VI:* Cardiovascular, Lymphoid; Respiratory, Integument
- 10/24 **Self-study: JPG image labeling (CV, lymphoid, respiratory, integument)**
- 10/31 *Online Video-Lab VII:* Digestive, Urinary; **last day to drop course (11/2)**
- 11/7 **Self-study: JPG image labeling (Digestive, Urinary)**
- 11/14 Online Video-Lab VIII:** Reproductive, Endocrine; **Organ demo-time & room TBA**
- 11/21 **Thanksgiving Holiday**
- 11/28 Final Practical Examination-Organ histology (Labs V-VIII)**

Student/syllabus validation of agreement

I, _____, have read and completely
(print and sign your name)

understand the policies and procedures of **ZOO 3753L** as stated in the fall
2016 course syllabus.

Date : _____

****Please submit the completed validation form to your
instructor during the lab session of the week of 9/5.***