HISTOLOGY (BIOLOGY 360/560)

LECTURE SYLLABUS, FALL 2005

INSTRUCTOR: Dr. Vonnie D.C. Shields (Smith, 357; Phone 410-704-3130; email: vshields@towson.edu)

OFFICE HOURS: M, W, F (10:00 a.m.-11:00 a.m. or by appointment)

LECTURE LOCATION: Smith 485 (M, W, F, 9:00 a.m.-9:50 a.m.)

TEXTBOOK: Histology: A Text and Atlas; Ross, M.H., Kaye, G.I., and Pawlina, W. Lippincott Williams & Wilkins, Baltimore, Maryland; Fourth Edition, 2003

COURSE WEBSITE: http:bbweb.towson.edu (find "Histology FA 05" on Blackboard)

PREREQUISITE: Biology 214

Week	Beginning	Lecture Topics	Chapter(s)
1	Aug. 29	Course intro, cell structure, histological methods	1, 2
2	**Sept. 5**	**No lecture, Labor Day holiday**	
2	Sept. 7	Staining, microscopy, classification, epithelial tissue	3-4
3	Sept. 12	Epithelial tissue (cont'd), connective tissue, adipose tissue, cartilage tissue	4-7
4	Sept. 19	Bone, blood, muscle tissue	8-10
5	Sept. 26	Muscle tissue cont'd, nervous tissue	10, 11
6	Oct. 3	**EXAM I (chapters 1-11)**	
6	Oct. 5	Cardiovascular system	12
7	Oct. 10	Lymphatic system	13
8	Oct. 17	Integumentary system, digestive system I: oral cavity and associated structures	14, 15
9	Oct. 24	Digestive system I (cont'd), digestive system II: esophagus and gastrointestinal tract	15, 16
10	Oct. 31	Digestive system II (cont'd), digestive system III: liver, gallbladder, and pancreas	16, 17

11	Nov. 7	Digestive system III (cont'd), respiratory system	17, 18
12	Nov. 14	**EXAM II (chapters 12-18)**	
12	Nov. 16	Endocrine organs	20
13	Nov. 21	Urinary system	19
13	**Nov. 23, 25**	**No lecture, Thanksgiving holiday**	
14	Nov. 28	Urinary system (cont'd), male reproductive system	19, 21
15	Dec. 5	Male reproductive system (cont'd), female reproductive system; eye, ear	22-24
	Dec. 9	Last lecture	

FINAL EXAM: Wednesday, December 14, 2005 (semi-comprehensive; chapters 19-24) (some questions from the first two thirds of the course will be asked, in addition to the chapters listed above).

Note: Exams are given on the **Monday** of the week in question. You will be responsible for lecture material covered on the **Friday** prior to the exam.

Grading: Grading will be based upon scores earned on the three lecture exams (final exam included) and three laboratory exams (see lab schedule).

Exam	**Maximum Points Possible**	
First lecture exam……..	50	(40)*
Second lecture exam……..	50	(40)*
Final Exam…….	50	(40)*
First laboratory exam…….	50	(40)*
Second laboratory exam…….	50	(40)*
Third laboratory exam……	50	(40)*
*Additional histology project		(60)*
Total points……...	**300**	**300***

The final grade will be determined by **converting the total number of points scored (out of 300) into a percentage**. This percentage will then be converted into a letter grade (see below).

*Points in parenthesis represent grading for **graduate students** taking this course. In order to successfully complete this course, graduate students will be expected to prepare **a seminar** using Power Point. You will be expected to detail **the normal or abnormal histology** of an **organ or description of a disease** that we will not be covered in lecture. In addition you must **include** a **description** of at **least five different staining techniques** that could be used to **demonstrate major tissue components/cells** pertaining

to your study. You will be required to make your presentation **during a lecture period** and should plan to speak for **25 mins,** which will leave **5-10 minutes** for questions and discussion. Your presentation grade will be based on the **instructor's evaluation** of your seminar presentation. **The instructor must approve your topic in advance**. **Please see the instructor early on in the course regarding your choice of topic and presentation date.**

Percentage cut-offs for letter grades: A = 92-100%; A- = 89-91.9, B+ = 86-88.9; B = 82-85.9%; B- = 79-81.9; C+ = 76-78.9, C = 70-75.9,%; C- = 69-69.9, D+ = 66-68.9, D = 60-65.9, F = <60%.

Quizzes: There will be **several** unannounced quizzes. Each quiz will be worth **1 point** and will be given in lieu of extra credit.

Lecture Notes: Lecture notes will be **posted online on Blackboard.**

Cheating Policy: Any form of cheating will not be tolerated. Any one caught **cheating** will receive a grade of "0" on the exam in question and may result in the assignment of a failing course grade. Cheating is defined in the University Catalog.

Student Conduct: In fairness to everyone enrolled in this course, it is critical that the best possible learning atmosphere be maintained in both lecture and laboratory. Classroom behavior that interferes with the instructor's ability to teach or ability of students from benefiting from instruction **will not be tolerated**. Examples may include not turning off or disabling **the audible ringer on cell phones/pagers during lecture and late arrivals and/or departures. In the event where a student legitimately needs to carry a beeper or cellular telephone to lecture, prior notice and approval of the instructor is required.**

Make-up Exams: There will be no make-up exams given for lecture exams. Students with a **valid (i.e. medical, death in family, family emergency) excuse must provide the instructor with valid written documentation** and will have the **average** of their **remaining grades (lecture exams)** used **in place** of the **missed exam**.

Lecture note: You are **strongly encouraged** to attend **every** lecture. Students who miss lecture regularly usually fail the course. If you cannot attend lecture regularly, you should drop the course before the end of the add/drop period.

See **laboratory syllabus** for details concerning the laboratory expectations.

Aim of this course: Biology 360/560 (Histology) is a course that, as a subject, lies between gross anatomy and physiology and acts as an integrative element between them. This course will cover topics, such as microscopy, histological techniques, and tissue and organ function at the cellular level. The aim of this course is to allow the students to gain an understanding of the human body on a microscopic level and to develop an appreciation of intricate relationships among the various organ systems. This course will be especially useful for students who intend to enroll in professional schools of medicine, veterinary medicine, dentistry, nursing, and allied health sciences.