

HISTOLOGY Biology 360

Course Syllabus Fall '07

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 or by appointment

<u>Date</u>	<u>Lecture Topic & Reading</u>	<u>Wednesday Lab Topic</u>
Aug 22, 24	Introduction, Cells (pp 2-32)	Microscope Intro., Cells Lab ends at 3:15 for Convocation
<u>Aug 27, 29, 31</u>	Cells; Epithelial Tissues (pp. 70-71; ch. 5)	<u>Lecture Quiz</u> , Finish Cell Lab
Sept 5, 7	Epithelial Tissues (continued)	Epithelial Tissues
Sept 10, 12, 14	Integumentary System (ch. 9) Connective Tissues (ch. 4)	Connective Tissues, Integumentary System
<u>Sept 17, 19, 21</u>	Skeletal System (ch. 10); <u>EXAM I (9/21)</u>	Skeletal System
Sept 24, 26, 28	Skeletal System (continued)	Muscle and Vessels
<u>Oct 1, 3, 5</u>	Muscle (ch. 6), Circulatory System (ch. 8)	<u>MIDTERM LAB PRACTICAL</u>
Oct 8, 10, 12	Blood (ch. 3), Immune System (ch. 11)	Immune system lecture; start BIR Systems lab
<u>Oct 17, 19</u>	Respiratory System (ch. 12), <u>EXAM II (10/19)</u>	Finish BIR Systems, Imaging Demo
Oct 22, 24, 26	Gastro-Intestinal System (pp. 251, 258-262; ch 14)	G-I System, BIR lab quiz
Oct 29, 31, Nov 2	Nerve Tissue (pp. 122-144)	Nervous & Endocrine Systems
Nov 5, 7, 9	Endocrine System (ch. 17)	N & E quiz, work on lab papers
<u>Nov 12, 14, 16</u>	<u>EXAM III (11/12)</u> , Urinary System (ch. 16)	Urinary System
Nov 19	Urinary System (continued)	Thanksgiving -- No Lab
Nov 26, 28, 30	Reproductive Systems (ch. 18, pp. 359-377)	Reproductive Systems
Dec 3, 5	Reproductive Systems (continued)	<u>FINAL LAB PRACTICAL</u>
<u>Dec. 8 (Sat) 8:30 AM</u>	<u>FINAL LECTURE EXAM</u>	

COURSE OBJECTIVES:

To understand the organization of mammalian organ systems and tissues and how their micro-anatomical form (histology) determines their function. Therefore, to know what is inside our bodies and how these structures and systems carry out the day-to-day activities of a living organism. To achieve the course objectives we will review basic cell design and activities, and you will learn how to use microscopic images to interpret the form and function of the different tissues and organs.

TEXT: Young, B., J.S. Lowe, A. Stevens, & J.W. Heath. 2006. Wheater's Functional Histology. 5th ed. Churchill Livingstone, Elsevier Ltd. Philadelphia, PA.

We will use this book for readings assigned in lecture and as a laboratory atlas. Please bring it to lab every week. Every week you will receive laboratory handouts that you should read before coming to lab. These will explain which slides are to be viewed and what information you need to know concerning the tissues. Your introductory biology text may be used when you need some basic clarification.

OTHER COURSE MATERIALS:

Copies of PowerPoint presentations and lecture outlines will be available via WebCT and in a folder called Histology.07 in the CJaslow public folder on the academic departments' file server.¹ You are urged to make use of these materials, and you **should bring a printout of the lecture outline to class the day of that lecture.** When you study for exams and practicals, you may find it helpful to do practice questions. I will place copies of questions from various textbook test banks in a 3-ring binder in lab.

GRADING:

The following are the approximate point values for assignments. The points earned for all assignments (lecture and lab) will generate a single percentage used to derive your grade according to the grading scale provided below. This grade will be entered for both the four credits of Bio 360(1) and the one credit of Bio 360(2).

<u>points</u>	
170	the best two of the first three lecture exams
100	the lecture exam during finals week
15	lecture quiz
100	10 weekly lab quizzes
50	pathology paper (Due Tuesday, November 21)
~ 30	midterm lab practical
~ 30	final lab practical

Lecture exams will be based on material presented in lecture plus specific assigned readings and handouts. You are expected to attend all lectures, and lab attendance is required. Lab quizzes and exams will be based on information in your lab handouts, demonstration materials, and information introduced at the start of lab.

Grading Scale:

	87% ≤ B+ < 90%	77% ≤ C+ < 80%	67% ≤ D+ < 70%
93% ≤ A	83% ≤ B < 87%	73% ≤ C < 77%	63% ≤ D < 67%
90% ≤ A- < 93%	80% ≤ B- < 83%	70% ≤ C- < 73%	60% ≤ D- < 63%
			F < 60%

¹ Because there is always a possibility that you will have technical difficulty accessing electronic materials (e.g. the server is down), please be sure to obtain the necessary materials well in advance of the class or exam for which you will need them. For example, you will not be excused from an exam because you could not get the PowerPoint