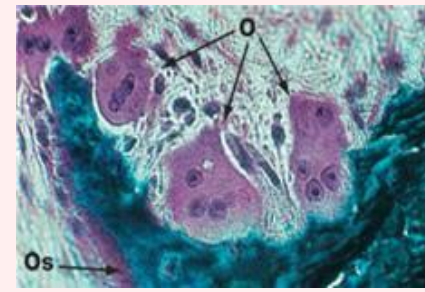




## HISTOLOGY Biology 360 Course Syllabus Fall '09



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 or by appointment

<u>Date</u>	<u>Lecture Topic &amp; Reading</u>	<u>Wednesday Lab Topic</u>
Aug 26, 28	Introduction, Cells (pp 2-32)	Microscope Intro., Cells Lab ends at 3:15 for Convocation
Aug 31, <b>Sept 2</b> , 4	Cells; Epithelial Tissues (pp. 70-71; ch. 5)	<b>Lecture Quiz</b> , Finish Cell Lab
Sept 9, 11	Epithelial Tissues (continued)	Epithelial Tissues, <b>Scope/Cell Quiz</b>
Sept 14, 16, 18	Integumentary System (ch. 9) Connective Tissues (ch. 4)	Connective Tissues, Integumentary System, <b>Epith Quiz</b>
<b>Sept 21, 23, 25</b>	Skeletal System (ch. 10); <b>EXAM I (9/25)</b>	Skeletal System, <b>CT/Integ Quiz</b>
Sept 28, 30, Oct 2	Skeletal System (continued)	Muscle and Vessels, <b>Skel Quiz</b>
<b>Oct 5, 7, 9</b>	Muscle (ch. 6), Circulatory System (ch. 8)	<b>MIDTERM LAB PRACTICAL</b>
Oct 12, 14, 16	Blood (ch. 3), Immune System (ch. 11)	Immune system lecture; start BIR Systems lab
<b>Oct 21, 23</b>	Respiratory System (ch. 12), <b>EXAM II (10/23)</b>	Finish BIR Systems, Imaging Demo
Oct 26, 28, 30	Gastro-Intestinal System (pp. 251, 258-262; ch 14)	G-I System, <b>BIR Quiz</b>
Nov 2, 4, 6	Nerve Tissue (pp. 122-144)	Nerve & Endocrine Sys, <b>G-I Quiz</b>
Nov 9, 11, 13	Endocrine System (ch. 17)	<b>N&amp;E Quiz</b> , work on lab papers
<b>Nov 16, 18, 20</b>	<b>EXAM III (11/16)</b> , Urinary System (ch. 16)	Urinary System
Nov 23	Urinary System (continued)	Thanksgiving -- No Lab
Nov 30, Dec 2, 4	Reproductive Systems (ch. 18, pp. 359-377)	Reproductive Systems, <b>Urin Quiz</b>
Dec 7, 9	Reproductive Systems (continued)	<b>FINAL LAB PRACTICAL</b>
<b>Dec. 11 (Fri) 5:30 PM</b>	<b>FINAL LECTURE EXAM</b>	

## 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. 5<sup>th</sup> 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:

PowerPoint presentations and lecture outlines will be available on Moodle and in a Histology folder in the CJaslow public folder online.<sup>1</sup> 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.** As we finish each daily lecture or each set of notes, you should study them thoroughly and do the practice questions available on Moodle. Because these are all multiple choice types of questions, they do not force you to explain concepts as you will need to do on exams. However, they will help you to see what specific knowledge you have mastered and what areas need further study.

## 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>	
200	the best two of the first three lecture exams
100	the lecture exam during finals week
15	lecture quiz
100	10 weekly lab quizzes
100	pathology paper (Due Tuesday, November 24)
~ 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:

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

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<sup>1</sup> 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 PowerPoints.