

Syllabus

15BIOL694, sect. 001

Lecture: Rieveschl 422C, MWF 12:00 to 12:50

Laboratory: Rieveschl 707, TH 9:30 - 12:15

Dr. Robert E. Bast

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E-mail (best way to contact me): bastrt@ucmail.uc.edu.

Office hours: MF after class, or by appointment.

Texts:

Moore, Agur & Dalley, Essential Clinical Anatomy, 4th ed., 2011, Lippincott Williams & Wilkins

Smith & Schenk, A Dissection Guide & Atlas to the Mink, Revised edition, 2000, Morton Publishing Co.

Course Objectives:

- Learn and practice proper animal dissection techniques.
- Develop the ability to visualize the relative locations of organs in three dimensions.
- Learn the basic organs in mammals.
- Understand the various types of tissues and how they function in the body.
- Appreciate how the study of development can explain the adult body.

Emergency Cancellation of a Class:

Class will be canceled for **weather reasons** only if the University is officially closed. Check UC's home page to determine the status of the University. If for a **personal reason** I must cancel class I will notify you by e-mail as soon as possible and as soon as I have access to the Internet. I will try to arrange for a departmental secretary to post a notice of cancellation in the classroom.

Academic Dishonesty:

Read the Student Code of Conduct (<http://www.uc.edu/studentlife/conduct/>) for a discussion of what constitutes cheating and academic dishonesty. Any academic dishonesty will be dealt with according to the provisions outlined in the student Code of Conduct. This may result in receiving an "F" for the exam/quiz, an "F" for the course, or even dismissal from the university. It is not fair to the honest students in the class for others to get better grades by cheating. Students are asked to help by reporting to your instructor (or TA) any cheating or academic dishonesty that you observe or become aware of. Your assistance in maintaining the academic integrity of our classroom will be greatly appreciated.

Attendance:

Lecture attendance is strongly encouraged and recommended. Exam and quiz questions will be based primarily on class lecture material, so it is to your benefit to attend and participate in lectures. Laboratory attendance is required. You will be working in pairs in the lab and missing labs, except for excusable reasons, is unfair to your lab partner. **NOTE.** Lab begins at 9:30 am, and attendance will be taken at about 9:35. If you arrive later than 9:35 your final percentage will be reduced by 0.25%. If you miss the entire lab for an inexcusable reason your final percentage will be reduced another 0.25%.

Course Web Site:

<http://blackboard.uc.edu> This site will give students access to lecture notes, handouts, study guides, answer keys, etc. Important announcements will be regularly posted. CHECK THIS SITE REGULARLY!! Also, please check to be sure that the e-mail address you have listed with your Blackboard account is accurate. We will often send out e-mails through the Blackboard site, and you will miss important information if your e-mail address is incorrect.

Lecture Exams:

There will be two in-class exams and a final exam. The final exam will cover material discussed after the second exam, and also include questions for material covered in the first two exams. Exams will have short answer, graded by me, and computer graded sections. Exams will include at least one unlabeled figure. To be included in an exam, figures must be projected for a significant period of time during lecture. **No makeup exams** will be given except under extraordinary circumstances, and even then only with prior arrangement with me. Only one exam may be made up -- any other missed exams result in a grade of zero for that test. You must enter your UC ID number on your Scantron sheet, so please be sure you know it! The only items you may have on your desk during an exam are #2 pencils and erasers, and your exam. Headphone and cell phone use are not allowed during class.

Lecture Quizzes:

Because of the volume and complexity of material covered this quarter, and to encourage you to keep up with the textbook reading and studying on a daily basis, there will be a very short quiz weekly (except exam weeks). This quiz will cover important terms or concepts from the previous classes. You will be expected to review your notes and read the relevant textbook material. Missed quizzes cannot be made up, but at the end of the quarter I will drop your lowest lecture quiz score.

Laboratory Assessment:

During the quarter there will be five short written **quizzes**, and three **practical exams**. Practicals will be mainly identification or answering questions about a labeled structure. Missed quizzes and practicals may not be made up. Practical exams will begin at 11:00. Between 8:30 and 11:00 material not needed for the practical exam will be available for review in 706 Rieveschl. At the end of the term your lowest quiz score will be dropped before calculating final grades.

Grades:

Exam #1	15%
Exam #2	15%
Final Exam	25%
Lecture Quizzes	10%
Lab Quizzes	10%
Lab Practicals	25%
TOTAL	100% of grade

Grading Scale:

Range (%)	Grade	Range (%)	Grade
100-94	A	79.9-77	C+
93.9-90	A-	76.9-70	C
89.9-87	B+	69.9-67	D+
86.9-83	B	66.9-60	D
82.9-80	B-	<60	F

Lecture Schedule:

Date	Topic	Text
Jan 3 5 7	Anatomical position and terms of description and movement Axial skeleton cont.	Intro. to Clinical Anatomy (ItCA): 1-7. ItCA: 9-11, Ch. 1: 47-51, Ch. 4: 274-294, Ch. 7: 496-499, Ch. 8: 594.
10 12 14	Q #1 , Bone as a tissue, joints Fasciae & septa Muscle as a tissue	ItCA: 11-17. ItCA: 7-8, Ch. 5: 329-331, 360-361. ItCA: 17-23.
17 19 21	MLK Day - No Classes Q #2 , Nerve Plexuses Lower Limb	---- Ch. 6: 433-439 Ch. 5: 317-325, 346-347.
24 26 28	Gait cycle Q #3 , cont. Exam #1	Ch. 5: 377-378 & handout, 354, 361-362, 368. cont. ----
31 Feb 2 4	cont. Development of body cavities Development of digestive system	cont. Ch. 1: 81, Ch. 2:116-121, 135-144. Ch. 2: 155-156.
7 9 11	Q #4 , Cardiovascular & Lymphatic Systems cont. The Heart & Fetal Circulation	ItCA: 23-31, Ch. 1: 100-101, 79. Ch. 5: 335. Ch. 1: 80-101.
14 16 18	cont. Respiratory system Q #5 , Development of reproductive systs. (♀ & ♂)	cont. Ch. 1: 51-53, 60. Ch. 2: 127-135. Ch. 3: 223-256, sections covered in lecture.
21 23 25	Exam #2 Nervous System cont.	---- ItCA: 31-43 cont.
28 Mar 2 4	cont. Q #6 , The Brain & Cranial Nerves cont.	---- Ch. 7: 507-514. Ch. 9: Sections covered in lect.
7 9 11	The Orbit & Eyeball cont. Q #7 , Endocrine System	Ch. 7: 529-548. cont. PowerPoint
16	Wednesday - Final Exam 1:30 - 3:30	----

Laboratory Schedule:

Date	Manual
Jan 4 6	Orientation, Intro.: pp. 1-2, Ch. 2 Axial Skeletal System & Joints: pp. 7-16. Examine articulated & disarticulated skeletons. Ch. 1 External Features: pp. 3-6, Carefully remove superficial fascia, Ch. 3 Muscular System Head & Neck: pp. 21-24
11 13	Quiz #1 , Ch. 2 Appendicular Skeleton - Pectoral girdle & Forelimbs: pp. 16-18. Examine articulated & disarticulated skeletons. Ch. 3 Neck & Pectoral Region: pp. 25-31 Neck
18 20	Quiz #2 , Ch. 3 pp. 32-37 Forelimb & Trunk Ch. 8 Nervous System - Brachial Plexus: pp. 101-103.
25 27	Practical #1 Ch. 2 Pelvic Girdle & Hindlimbs: pp. 18-20. Examine articulated & disarticulated skeletons. Ch. 3 Pelvic Region & Proximal Hindlimb: pp. 37-42.
Feb 1 3	Ch. 3 Distal Hindlimb: pp. 43-44. Quiz #3 , Ch. 4 Digestive system: pp. 45-54, Hepatic Portal System: pp. 64-67, Spleen: p. 68.
8 10	Ch. 5 Circulatory System: pp. 55-63. Quiz #4 , Ch. 5: pp. 64-73.
15 17	Begin material for practical #3. Ch. 5 Sheep Heart: 74-78. Practical #2
22 24	Ch. 6 Respiratory System: pp. 79-82, Ch. 7 Reproductive & Excretory Systems: pp. 83-96. Quiz #5 , Ch. 8 Nervous System: pp. 97-101, Handout with additional brain dissection.
Mar 1 3	Ch. 8 Sheep Eye: pp. 103-106, Ch. 9 Endocrine System: pp. 107-112 cont.
8 10	Review for practical #3. Practical #3

Safety:

No eating, drinking, or applying makeup in lab.
No open-toed shoes may be worn in the lab.
Gloves for dissection will be provided.
Immediately report any injuries to Dr. Bast or the graduate TA.

Quizzes Cover:

Information in lab lectures.
Information in lab manual.
Structures as indicated in "Know Lists". ID on pictures from lab manual or handouts.

Practical Exams Cover:

Same as quizzes, **except** ID is on dissected animals

or organs.

Some questions will ask information about the tagged structure, NOT just IDing it.

Know Lists:

As the name implies, "Know Lists" are lists of structures, and things about those structures you must learn for the lab. Any item or information in a list is fair game for lab quizzes and practicals. Depending on the dissection some lists cover a body region, while others cover a body system. Many students find it helpful to highlight terms from lists when they are used to label a figure. In addition, Know Lists contain corrections to the 4th printing of the lab manual; we have found many

mistakes in some chapters. To prevent confusion, I strongly suggest you make the corrections in your manual before preparing for lab. Know Lists may contain additional information appropriate to the dissection. **Print each know list and bring it to lab with you.**