

ABRIDGED

BIOL 204 AM (30005)

Human Anatomy

Summer 2015

4 Credits

Instructor: Ms. Susan Moss, Associate Professor of Biology

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Lecture: MTWR 8:30 – 9:45 room 2726

Lab: MTWR 10:30 – 2:40 room 2736

Course Description

Lecture and laboratory course designed to study the fundamental principles of the human body structure at the cellular, tissue, organ, and systems level of organization, including the cat and organ dissection, study of the human skeleton, structural-functional relationships, and appreciation of related human diseases and aging. This course may require the use of human cadavers for observation and/or dissection.

Textbooks & Other Resources

Required:

► Textbooks

Human Anatomy, Ken Saladin, 3rd or 4th edition

Customized Version: *BIOL 204 Human Anatomy Lab Manual* available in the bookstore

► Safety glasses

Recommended: blank index cards (lots!), colored pencils, highlighters, camera

Classroom Rules and Etiquette

- Attendance and punctuality are required. I start on time and expect you to be seated by the time class starts and I begin taking roll. If tardiness becomes a problem, I will start locking out late arrivers.
- Disruptive, disrespectful, inappropriate, or offensive behavior of any kind will not be tolerated and may result in your being dropped from the course.
- As per IVC policy, this course is conducted solely in English.
- Only voice recorders may be used to record lectures. Videotaping is never allowed.
- During class, if your cell phone starts ringing or you use it for personal reasons like texting, **10points** will be deducted from your final point total.
- No open food or drink containers are allowed in the classroom or lab.
- Safety glasses must be worn and long hair tied back when dissections are done in lab.
- Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

Course Objectives

(details available on CurricUNET <http://www.curricunet.com/Imperial/>)

- The student will be able to identify and describe the main structures of cells and tissues.
- The student will be able to identify and describe the main structures of all 11 human organ systems.

Course Requirements and Instructional Methods

This course incorporates both lecture and lab material related to the understanding of the human body. There will be written exams, practical exams, quizzes, worksheets, and research projects.

Laboratory – Policies & Procedures

- You will be responsible for conducting yourself properly and safely during lab. This includes: handling materials and equipment carefully, following instructions, wearing safety glasses and keeping hair tied back when doing dissections, putting items back where you found them, and cleaning your area before leaving.
- Lab table tops have a special coating on them. Do not make any marks on them.
- Lab work will consist of material taken from the Laboratory Manual and any additional worksheets assigned. Only original pages from the lab manual will be accepted and pages must be in the correct order.
- For computer activities, no more than 2 people may work together.
- For all other activities, no more than 3 people may work together.
- All group members must participate in **all** activities.
- ONE lab report is turned in per group.
- Everyone in a group will receive the same grade.
- Any group member who leaves before the assignment is completed and turned in will receive a **zero** grade.
- Each group member must write his/her **own** name on lab worksheets.

Oral Presentation – Body Part Replacement

You will be required to independently research and present information related to the replacement of body parts. Your presentation should last **6-7 minutes** and a PowerPoint slide show is required.

Grading Policies

Most exams will include a **practical part** and a **written part**. Questions on both will be based on lecture notes, structure lists, and lab activities. Written tests will include multiple-choice, fill-in, T/F, matching and short-answer questions. Tests may also include diagrams to label. Most practical questions will be recall-type questions.

NO Make-up Exams Will Be Given

If you notify me in advance that you have to miss an exam **and** you have a legitimate excuse with supporting documentation, I will prorate the first missed exam. Any other missed exams will receive a zero.

Spelling

You do not get full credit for knowing a structure if you cannot spell it correctly.

Thus, spelling of structures and terms counts on ALL exams and practicals. Correct spelling also means writing your letters clearly and correctly. The penalty for each spelling error is ½ point.

Grade Calculation

Test scores that end up in the middle of two numbers will be rounded **down**. Final grades are calculated using a simple point system. If your test/practical average is $\geq 70.0\%$, your grade will be based on the total points you earn divided by the total points possible. The grading scale will be:

A $\geq 90\%$

B = 80-89 %

C = 70-79 %

D = 60-69 %

F $\leq 59\%$

- ◆ Exams: 100-200 pts. each
- ◆ Lab assignments: 10-15 pts each
- ◆ Oral presentation: 25 pts
- ◆ Participation, class conduct, misc.: 25 pts.

*“Participation” means asking questions, contributing thoughts and opinions. In other words, being an **active** member of the class! You must earn these points!*

“Class Conduct” means following class policies & procedures.

IMPORTANT: ➤ If your exam average ends up below 60%, you will automatically receive an “F” for the course.

➤ If your exam average ends up being between 60-69%, you will automatically receive a “D” for the course.

***** *If you can't pass the exams, you can't pass the class.* *****

Tentative Schedule**(subject to change without notice)****LECTURE @ 8:30****LAB @ 10:30**

6/24	Introduction	Language of Anatomy, Word Roots: Metric system review
6/25	Ch 1 – Intro to Anatomy	Ch 2 – Cells, Cell Cycle, Meiosis
6/26	Ch 3 – Tissues	Anatomy Terms & Word Root Test 11:30

6/29	OPEN LAB	EXAM <i>Intro to Anatomy, Metric, Cells</i> Written: 10:30 – 11:30 Practical @ 1:30
6/30	Tissues cont.; Ch 5 – Integumentary System	Tissues; Integument
7/1	Ch 6-9 – Skeletal System; Joints	Bones and Joints
7/2	Ch 10-12 – Muscular System	Muscles

7/6	OPEN LAB	EXAM <i>Tissues, Integument, Skeletal Tissue, Joints</i> Written: 10:30 – 11:30 Practical @ 1:30
7/7	Ch 19-21 – Cardiovascular System	Cardiovascular Heart dissection
7/8	Ch 22 – Lymphatic System & Defense	PRESENTATIONS
7/9	Ch 23 – Respiratory System	OPEN LAB 10:30 – 12:00 BONE ID TEST @ 1:45

7/13	OPEN LAB	EXAM <i>Cardiovascular, Lymphatic, Respiratory</i> Written: 10:30 – 11:30 Practical @ 1:30
7/14	Ch 13-16 – Nervous System	Nervous System Brain dissection
7/15	Ch 17 – Senses	Senses Eyeball dissection
7/16	Ch 18 – Endocrine System	MUSCLE EXAM @ 12:00

7/20	OPEN LAB	EXAM <i>Nervous, Senses, Endocrine</i> Written: 10:30 – 11:30 Practical @ 1:30
7/21	Ch 24 – Digestive System	Digestive
7/22	Ch 26 – Reproductive Systems	Ch 4 – Pregnancy & Development Reproductive systems
7/23	Ch 25 – Urinary System	CADAVER OBSERVATION & QUIZ

7/27	OPEN LAB	EXAM <i>Digestive, Urinary</i> Written: 10:30 – 11:30 Practical @ 1:30
7/28	CAT Dissection and QUIZ Cont.
7/29	CAT Dissection and QUIZ Cont.
7/30	OPEN LAB	EXAM <i>Reproductive Systems, Pregnancy, Development</i> Written: 10:30 – 11:30 Practical @ 1:30