ABRIDGED

BIOL 204 AM (20043)

Human Anatomy

Spring 2016 4 Credits

Instructor: Ms. Susan Moss, Associate Professor of Biology susan.moss@imperial.edu

Lecture:	**Tuesday & Thursday**	**8:30 – 9:35**	**room 2721**
Lab/Study Period:	**Tuesday & Thursday**	**10:05 – 12:45**	**room 2736**

Prerequisite

Completion of MATH 090 and BIOL 100 or BIOL 122 or BIOL 180 or BIOL 182, with grades of "C" or better. Or, completion of MATH 090 with a grade of "C" or better AND current California LVN or RN license.

Course Description

Lecture and laboratory course designed to study the fundamentals of human body structure and structure-function relationships at the cellular, tissue, organ, and systems level of organization. Course incorporates dissections of animal organs and cat specimens.

REQUIRED Items & Other Resources

► **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 for lab

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 may start assigning extra homework to 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. Taking photographs or videotaping is never allowed during lectures.
- During class, if your cell phone starts ringing, **10 points** will be deducted from your final point total.
- No food or non-water drinks are allowed in the classroom or lab.

- Safety glasses must be worn and long hair tied back when experiments or dissections are done in lab.
- No one who is not enrolled in the class may attend, including children.

Course Objectives

-- 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.

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, not making any marks on the tables, and cleaning your area before leaving.
- 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 stapled 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 worksheet 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.*
- Copying answers from another group's worksheet is not allowed.*

***Point penalty for noncompliance!**

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 lectures, relevant chapter diagrams, 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.

You do not get full credit for knowing a structure if you cannot spell it 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 average is ≥70.0%, your grade will be based on the total points you earn divided by the total points possible. NOTE: The only opportunities for extra credit points will be in the form of **bonus questions** on exams.

The grading scale will be:

A ≥ 90 %
B = 80-89 %
C = 70-79 %
D = 60-69 %
F ≤ 59 %

- Exams: 100-175 pts. each
- Lab assignments: 10-15 pts each
- Presentation: 25 pts
- Participation: 30 pts.

"Participation" *means asking questions and/or contributing thoughts, opinions, stories. In other words, you need to be an **active** member of the class! The quality of this experience depends on that! You must earn these points, so everyone starts at **zero**.*

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 don't pass the class.

Tentative Schedule

2/16	Introduction	Language of Anatomy & Word Roots
2/18	Ch 1 – Intro to Anatomy	Metric system review

2/23	Ch 2 – Cells	**Anatomy Terms & Word Root Test** **10:30 – 12:00**
2/25	Ch 2 – Cells	Cells Cell Cycle & Meiosis

3/1	Bone ID (in 2736)	Bone ID cont.
3/3	Ch 3 - Tissues	Tissues

3/8	**EXAM:** **Intro, metric, cells**	**Written: 9:00 – 10:00** **Practical: 11:30**
3/10	Ch 5 – Integumentary System	Integument; Bone review

3/15	**EXAM: Bone ID**	**Open Lab: 8:30 – 10:00** **Practical: 11:30**
3/17	Ch 6-9 – Skeletal tissue & Joints	Skeletal Tissue & Joints; Tissue Review

3/22	**EXAM: Tissues**	**Written: 9:00 – 10:00** **Practical: 11:30**
3/24	Ch 10-12 – Muscular System	Muscles

SPRING BREAK

4/5	**EXAM:** **Integument, bone tissue, joints**	**Written: 9:00 – 10:00** **Practical: 11:30**
4/7	Ch 19-21 – Cardiovascular System	Cardio – Blood, Vessels

4/12	Ch 19-21 – Cardiovascular System	Cardio – Heart
4/14	Ch 22 – Lymphatic System Ch 13-16 – Nervous System	**EXAM: Muscular System** **10:30 – 12:30**

4/19	Nervous System cont.	Brain and nerves
4/21	Ch 17 – Senses	Senses – Eyes & Ears

4/26	**EXAM:** **Cardiovascular & Lymphatic**	**Written: 9:00 – 10:00** **Practical: 11:30**
4/28	Ch 18 – Endocrine System	Endocrine System Senses – Taste & Touch

5/3	**EXAM:** **Nervous System & Senses**	**Written: 9:00 – 10:00** **Practical: 11:30**
5/5	Ch 23 – Respiratory System	Respiratory

5/10	Ch 24 – Digestive System	**PRESENTATIONS**
5/12	Ch 25 – Urinary System	Digestive & Urinary Systems

5/17	**EXAM:** **Endocrine & Respiratory Systems**	**Written: 9:00 – 10:00** **Practical: 11:30**
5/19	Ch 26 – Reproductive Systems	"Science of Sex Appeal"

5/24	Ch 4 – Pregnancy & Development	Reproductive Systems & Development
5/26	**EXAM:** **Digestive & Urinary Systems**	**Written: 9:00 – 10:00** **Practical: 11:30**

5/31	**CAT dissection and QUIZ 1 …**	**… Cont.**
6/2	**CAT dissection and QUIZ 2 …**	**… Cont.**

6/7	**EXAM:** **Reproductive Systems & Development**	**Written: 9:00 – 10:00** **Practical: 11:30**