

**ABRIDGED**

**BIOL 202 AM (20041)**

## *Human Anatomy & Physiology 2*

Spring 2016      4 Credits

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

**Lecture:      Monday & Wednesday      8:30 – 9:35      room 2726**

**Lab:          Monday & Wednesday      10:05 – 12:45      room 2736**

### **Course Description**

Part two of a two-semester study of the structure and function of the human organism and our eleven organ systems.

### **Prerequisites**

Completion of BIOL 200 with a grade of C or better, or MATH 90 or 91 with a grade of C or better and current California LVN license.

### **Textbooks & Other Resources**

#### **Required:**

#### ► **Textbooks (same as BIOL 200):**

- 1) *Anatomy & Physiology: The Unity of Form and Function*, Saladin, 6<sup>th</sup> or 7<sup>th</sup> edition
- 2) *Human Anatomy & Physiology Laboratory Manual*, Marieb & Mitchell, 11<sup>th</sup> or 12<sup>th</sup> edition (Pig Version)

#### ► **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, **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 experiments or dissections are done in lab.
- No one who is not enrolled in the class may attend, including children.

### 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 – Global Health Issue

Choose a presentation topic that focuses on a human problem/disease/disorder that interests you. Presentations should last **6-7 minutes** and a PowerPoint slide show is required.

### EXAMS

Most exams will include a **practical part** and a **written part**. Questions on both will be based on lectures, chapter diagrams, structure lists, and lab activities.

#### **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 properly.

### 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:  $\leq 210$  pts. each
- ◆ Lab assignments: 10-15 pts each
- ◆ Oral 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

(subject to change without notice)

	<b>Lecture</b>	<b>8:30 – 9:35</b>	<b>Lab/Study Period</b>	<b>10:05 – 12:45</b>
2/17	Introduction		Introduction	
2/22	Review Key Concepts		Diffusion	
2/24	Ch 17 – Endocrine System		Surface to volume ratio	
2/29	Ch 17 – Endocrine System		Endocrine – PhysioEx Experiments	
3/2	Ch 18 – Blood		Blood and blood typing	

3/7	<b>EXAM 1</b> 2/22-24 Material, Endocrine	Written: 9:00 - 10:30 Practical: 12:00
3/9	Ch 19 – Heart	Blood Vessels
3/14	Ch 20 – Blood vessels	Heart
3/16	Ch 22 – Respiratory System	<b>EXAM 2 – Blood Vessel ID</b> 11:00 – 12:30
3/21	<b>EXAM 3</b> <b>Cardiovascular System</b>	Written: 9:00 - 10:30 Practical: 12:00
3/23	Ch 21 – Lymphatic & Defenses <b>Topic Approval Deadline: 7:00 am</b>	Respiratory
4/4	Ch 21 – Lymphatic System & Defenses	Interactive Phys CD – Immune System
4/6	Ch 25 – Digestive System;	Digestion – PhysioEx Enzyme Experiments
4/11	<b>EXAM 4</b> <b>Respiratory System</b>	Written: 9:00 - 10:30 Practical: 12:00
4/13	Ch 25 – Digestive System; Ch 26 – Cellular Respiration	Nutrition Internet Assignment
4/18	<b>EXAM 5</b> <b>Lymphatic System &amp; Defenses</b>	Written: 9:00 - 10:30 Practical: 12:00
4/20	Ch 23 – Urinary System	Interactive Phys CD – Digestive System
4/25	Ch 23 – Urinary System	Interactive Phys CD – Urinary System
4/27	<b>EXAM 6</b> <b>Digestive System, Cellular Respiration &amp; Nutrition</b>	Written: 9:00 - 10:30 Practical: 12:00
5/2	Ch 24 – Water, Electrolyte & Acid-Base Balance	<b>PRESENTATIONS</b>
5/4	Ch 27 & 28 – Reproductive Systems	<b>PRESENTATIONS cont.</b>

5/9	Ch 27 & 28 – Reproductive Systems	Reproductive Systems
5/11	<b>EXAM 7</b> <b>Urinary System; Water, Electrolyte &amp; Acid-Base Balance</b>	Written: 9:00 – 10:30 Practical: 12:00
5/16	Ch 29 – Pregnancy & Development	Internet research assignment
5/18	Ch 4 – Genetics & Heredity	Heredity
5/23	Fetal Pig Dissection <b>QUIZ 1</b>	... cont.
5/25	Fetal Pig Dissection <b>QUIZ 2</b>	... cont.
5/30	<b>NO CLASSES</b>	
6/1	<b>EXAM 8</b> <b>Genetics &amp; Heredity</b>	<b>Written Only</b> <b>9:00 – 10:30</b>
6/6	<b>EXAM 9</b> <b>Reproductive Systems, Pregnancy &amp; Development</b>	<b>Written: 9:00 – 10:30</b> <b>Practical: 12:00</b>