

**ABRIDGED**

**BIOL 202**

## *Human Anatomy & Physiology 2*

Fall 2017

4 Credits

**Instructor: Ms. Susan Moss**, Professor of Biology

### **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:**

##### ► **Textbook**

*Anatomy & Physiology: The Unity of Form and Function*, Saladin, 8<sup>th</sup> edition © 2018

##### ► **Lab Manual** (may *NOT* rent)

*Human Anatomy & Physiology Laboratory Manual*. Marieb, 12<sup>th</sup> edition (any version)

##### ► **Safety glasses**

**Recommended:** blank index cards (lots!), voice recorder, colored pencils, highlighters, camera for lab

### **Classroom Rules and Etiquette**

**(Rules may be added if problems arise.)**

- 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 English should be spoken in lecture and lab.
- Only voice recorders may be used to record lectures. Taking photographs or videotaping is never allowed during lectures. “Smart phones” used as voice recorders must be placed next to me. Forward-facing cameras on laptops must be covered.
- During class, if your cell phone starts ringing, **10 points** will be deducted from your final point total.
- No open food or spillable drink containers are allowed in the classroom or lab... on the table OR floor. Such items will be thrown in the trash.

### 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 lab 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.\*
- Discussion among groups is permitted, but copying another group's answers is not.\*

**\*Point penalty for noncompliance!**

### Group Presentation – Controversial Topics

You will work in small groups to research a controversial topic related to human health.

### 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. (See disclaimers!) Some written tests will be only multiple-choice. Some written tests will include various types of questions. All relevant diagrams in the text and lab manual are fair game on written tests and practicals. 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.

#### **EXAM-TAKING RULES:**

- ◆ Long hair must be securely tied back.
- ◆ Test pages must be folded under when you turn a page.
- ◆ No hats or hoods may be worn.
- ◆ For matching questions, **CAPITAL** letters are required.\*
- ◆ Hands must remain on top of the table.
- ◆ You may not leave the room while taking a test without a documented medical excuse.
- ◆ The only acceptable abbreviations are ATP and DNA.\*
- ◆ Answers will automatically be marked wrong if they are included with scratched-out answers. So, if you write in pencil, you must erase unwanted answers. If you write in pen, you must have correction tape with you to cover unwanted answers. \*
- ◆ No “smart” device (phone, watch, bracelet, etc.) may be out.

**\*Point penalty for noncompliance!**

## Spelling

The penalty for **each** spelling error is  $\frac{1}{2}$  point. An answer will simply be marked wrong if the spelling of it is deemed too far off or is illegible.

## 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 (written and/or practical):  $\leq 200$  pts. each
- ◆ Lab assignments: 10-15 pts each
- ◆ Presentation: 20 pts
- ◆ Participation: 30 pts.

*“Participation” means asking questions in class and/or contributing thoughts, opinions, stories.*

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

➤ If your exam average ends up 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.*

## Additional Help



PowerPoint slide shows will be available for downloading through your Canvas account. NOTE: The slide shows posted will be abridged versions of what's shown in class. Thus, attendance and note-taking are mandatory for success. Also posted:

- Exam scores and overall test average
- Structure lists and helpful handouts. **Hard copies of the lists must be brought with you to the appropriate lab.**
- Unlabeled practice diagrams

<b>Tentative Schedule</b>	<b>(subject to change without notice)</b>
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	<b>LECTURE</b>	<b>LAB/STUDY PERIOD</b>
8/15	Introduction	Introduction
8/17	Intro to A&P 2	Diffusion activities <i>(calculator needed)</i>
8/22	Ch 17 – Endocrine System	Surfacearea:volume activities <i>(calculator &amp; colored pencils needed)</i>
8/24	Ch 17 – Endocrine System	Endocrine – PhysioEx Experiments <i>(calculator needed)</i>
8/29	<b>EXAM 1</b> <b>Intro Lecture &amp; Lab Material</b>	
8/31	Ch 18 – Cardiovascular: Blood	Blood & Blood Typing
9/5	<b>EXAM 2</b> <b>Endocrine</b>	
9/7	Ch 19 – Cardiovascular: Heart	Blood Vessel ID <i>(bring red &amp; blue pencils)</i>
9/12	Ch 20 – Cardiovascular: Blood vessels	Heart & Heart Quiz
9/14	<b>EXAM 3 – Blood Vessel ID</b>	“Name the vessel” test with diagrams
9/19	Ch 22 – Respiratory System	Respiratory
9/21	<b>EXAM 4</b> <b>Cardiovascular System</b>	
9/26	Ch 21 – Lymphatic& Defenses	Respiratory – PhysioEx Experiments
9/28	Ch 21 – Lymphatic & Defenses	Interactive Phys CD – Immune System
10/3	<b>EXAM 5</b> <b>Respiratory System</b>	
10/5	Ch 25 – Digestive System	Digestion – PhysioEx Enzyme Experiments

10/10	<b>EXAM 6</b> <b>Lymphatic System &amp; Defenses</b>	
10/12	Ch 25 – Digestive System Ch 26 – Cellular Respiration	Internet Research: Nutrition

10/17	Ch 23 – Urinary System	Interactive Phys CD – Digestive System
10/19	Ch 23 – Urinary System	Interactive Phys CD – Urinary System

10/24	<b>EXAM 7</b> <b>Digestive System, Cellular Respiration &amp; Nutrition</b>	
10/26	Ch 24 – Water, Electrolyte & Acid-Base Balance	Interactive Phys CD - Water, Electrolyte & Acid-Base Balance

10/31	Ch 27 & 28 – Reproductive Systems	<b>Group Presentation PREP</b>
11/2	Ch 27 & 28 – Reproductive Systems	Reproductive Systems

11/7	<b>EXAM 8</b> <b>Urinary System; Water, Electrolyte &amp; Acid-Base Balance</b>	
11/9	Ch 29 – Pregnancy & Development	Internet Research: Birth control & STDs

11/14	Ch 4 – Genetics & Heredity	Heredity
11/16	<b>Group Presentation PREP (on your own)</b>	<b>Presentations</b>

\*\*\*\*\* **THANKSGIVING BREAK** \*\*\*\*\*

11/28	<b>EXAM 9</b> <b>Reproductive Systems, Pregnancy &amp; Development</b>	
11/30	-----	<i>Optional</i> open lab for genetics help 12:00 – 2:00

12/5	<b>EXAM 10</b> <b>Genetics &amp; Heredity</b>	
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