



IMPERIAL VALLEY COLLEGE

BIOL 202 (30070)

Human Anatomy & Physiology II

Summer 2013

4 Credits



Instructor: Ms. Susan Moss, Associate Professor of Biology

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Required:

► **Textbooks (same as BIOL 200):**

Anatomy & Physiology: The Unity of Form and Function, Saladin, 6th edition

Human Anatomy & Physiology Laboratory Manual, Marieb & Mitchell, 10th edition (Update)

► **Safety glasses**

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

General Class Policies

- 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, inappropriate, or offensive behavior of any kind will not be tolerated and may result in your being dropped from the course.
- No sleeping in class. You will be required to leave the room.
- Electronic devices must remain **OFF** during lecture and lab. Laptops may be used for note-taking and voice recorders may be used to record lectures.
- This course is conducted solely in **English**. Only English may be spoken when lecture or lab is in session.
- No open food or drink containers are allowed in the classroom or lab.

Attendance Policy

- Each missed FULL day earns you **2** strikes.
- Each missed PARTIAL day earns you **1** strike.
- Each time you are late earns you **1/2** strike.
- If you reach **6** strikes, you will be dropped from the course.
- There are no “excused” absences. **Every absence counts against you.**

Blackboard

PowerPoint slide shows will be available for viewing through your Blackboard account. NOTE: The slide shows posted on BB will not be identical to what's shown in class.

Course Description

The interrelationship of structure and function of each body system will be presented in two semesters. The second semester will focus on these systems: endocrine, cardiovascular, respiratory, lymphatic/immune, digestive, urinary, & reproductive.

Course Objectives

- The student will describe the structure and function of the endocrine system, cardiovascular system, lymphatic system, respiratory system, urinary system, digestive system, and reproductive systems.
- The student will discuss human heredity and the developmental stages from fertilization to birth.
- The student will discuss changes within the human organism due to the aging process.

Student Learning Outcomes

- Display critical thought related to key concepts in human anatomy and physiology using written forms of expression and examination.
- Display effective communication skills related to topics in human anatomy & physiology.
- Display ability to read, comprehend, summarize and orally present research articles related to human anatomy & physiology.
- Display an understanding of global human health issues.

Exams

Exams will consist of a written test and a lab practical exam. **All exams are based on what's covered in lectures and labs.** Written tests will include multiple-choice, fill-in, true/false, short answer, and matching questions. There may also be diagrams to label. Practicals will have 30 stations (1 question/station, 1 minute/station). Most practical questions are 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 tied back.
- ✦ No hats, caps or hoods may be worn.
- ✦ Both hands must remain on top of the table at all times.
- ✦ Test pages must be folded under when you turn a page.
- ✦ For matching-type questions, **capital** letters must be used.

Spelling

Spelling of structures and terms counts on all exams. The penalty for each spelling error is ½ point. Scores that end up in the middle of two numbers will be rounded **down**. Example: a point total of 85.5 pts will be recorded as an 85.

Cheating Policy

Evidence of cheating will result in a zero grade for that exam and possible disciplinary action as well. Please notify me if you see evidence of cheating.

Extra Credit

The only opportunities for extra credit points will be in the form of **bonus questions** on exams.

Laboratory – Policy & 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 experiments & dissections, putting items back where you found them, and cleaning your area before leaving.
- Lab work will consist of material taken from the laboratory manual and any additional information assigned. For some labs, you will be required to turn in a lab report. Only original pages from the lab manual will be accepted.
- 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.**
- **Pages of report must be stapled together IN ORDER.**
- Everyone in a group will receive the same grade.
- Each group member must write his/her **own** name on lab reports.

Missed labs cannot be made up.

Oral Presentation – Global Health Issue

Choose a presentation topic that focuses on a problem/disease/disorder that relates to material covered in this course. It can be a vector-borne disease, genetic disorder, injury-related problem, or lifestyle-related problem.

You will be required to independently research and present your topic to the class. Presentations should last **6-7 minutes** and a PowerPoint slide show is required.

Important: Your topic must be pre-approved by JULY 3rd, or you forfeit the assignment.

IVC Withdrawal Policy

- ▶ The deadline for dropping a course without it appearing on your transcript is July 1st.
- ▶ The deadline for dropping the course is July 23rd.

ADA Statement

Any student with a documented disability who may need educational accommodations should notify the Disabled Student Program & Services (DSP&S) office (760-355-6312, room 2117, Health Sciences Bldg) as soon as possible.

Gifts

Please note that I am not able to accept gifts of any kind.

Grading

Your grade will be based on the total possible points **YOU** have earned (i.e. there will be no curve). The grading scale will be:













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





- ◆ Exams: 210 - 260 pts. each
 - Written = 150 - 200 pts
 - Practical = 60 pts
- ◆ Lab reports and class activities: 10-20 pts each
- ◆ PhysioEx Pre-lab 10-min. Quizzes: 15 pts each (**NO MAKE-UP QUIZZES**)
- ◆ Oral presentation: 30 pts
- ◆ Participation, Class Conduct, Misc.: 20 pts.
 - “Participation” means asking questions, answering questions, contributing thoughts and opinions.*
 - “Class Conduct” means following class policies & procedures.*



SCHEDULE

Important: Schedule is tentative and subject to change.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
WEEK OF JUNE 24	<p>Introduction Review Key Concepts</p> <p>Diffusion and S/V Experiments</p>	<p>Endocrine System </p> <p>Endocrine – PhysioEx (1) Pre-Lab Quiz</p>	<p>Cardio - Blood </p> <p>Blood & blood typing</p>	<p>Cardio – Heart & Vessels </p> <p>Heart & Vessels</p>
WEEK OF JULY 1	<p>EXAM 1 (260 pts) Key concepts, Endocrine, Cardiovascular (except vessel ID)</p>	<p>Respiratory System </p> <p>Respiratory – PhysioEx (1,2) Pre-Lab Quiz</p>	<p>Lymphatic System & Defense</p> <p>Immune </p> <p>Topic Approval Deadline</p>	<p></p>
WEEK OF JULY 8	<p>EXAM 2 (240 pts) Blood Vessel ID, Respiratory, Lymphatic & Defense</p>	<p>Digestive System </p> <p>Enzymes – PhysioEx (1,3,4) Pre-Lab Quiz</p>	<p>Cellular Respiration </p> <p>ATP production experiment</p>	<p>Urinary System </p> <p>Internet nutrition project</p>
WEEK OF JULY 15	<p>EXAM 3 (210 pts) Digestive, Nutrition, Cellular Respiration</p>	<p>Water, Electrolyte and Acid-Base Balance </p> <p>PhysioEx – Renal PhysioEx – Acid-Base (1,2,4) Pre-Lab Quiz</p>	<p>Reproductive Systems</p> <p>Reproductive “Brain Sex” vide </p>	<p>PRESENTATIONS </p>

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
WEEK OF JULY 22	<p>EXAM 4 (210 pts) Urinary, Fluid Balance</p>	<p>Pregnancy & Development</p>  <p>“Miracle of Life” video Internet research project</p>	<p>PIG DISSECTION</p> 	<p>Genetics & Heredity</p>  <p>DNA and genetics</p>
WEEK OF JULY 29	<p>CADAVER DAY</p> <p>History of cadaver use</p> <p>Come to lab at your assigned time CADAVER QUIZ</p>	<p>DEBATE – Controversial Topics Related to Human Health</p>	<p>EXAM 5 (210 pts) Reproductive, Pregnancy, Genetics</p>	<p>PIG REVIEW AND QUIZ</p> 

Keep track of your grades...

DESCRIPTION	MY SCORE	POINT VALUE
EXAM 1		260
EXAM 2		240
EXAM 3		210
EXAM 4		210
EXAM 5		210
PhysioEx Pre-lab Quiz - Endocrine		15
PhysioEx Pre-lab Quiz - Respiratory		15
PhysioEx Pre-lab Quiz - Digestive Enzymes		15
PhysioEx Pre-lab Quiz - Renal & Fluid Balance		15
CADAVER QUIZ		15
FETAL PIG QUIZ		30
ORAL PRESENTATION		30
DEBATE		20

