INTRODUCTION to HUMAN PHYSIOLOGY 1

Syllabus and Class schedule - sections #0407; 0408 Los Angeles Mission College Fall 2012

hours lect - 10:40am – 12:05pm Tuesday and Thursday

lab - 12:20pm – 3:30pm Tuesday (#0407) or Thursday (#0408)

August 27 - Dec 16, 2012

instructor Dr. Gary Covitt

email covittgs@lamission.edu

office hours: 10:00 – 10:40am; 3:30 - 4:00pm Tuesdays and Thursdays CMS104

texts: Human Anatomy & Physiology, Marieb, 9th ed

<u>Human Anatomy & Physiology Lab Manual w/ PhysioEx 9.0</u>, Marieb, 10th ed required

required

prerequisites: Anatomy 1 and Biology 3 with a grade of C or better **advisory:** English 28 or ESL8 and Chem 51 or 65 or 101

supplies: 4 scantrons (form 882-E)

class description:

Physiology 1 is an intensive lecture and laboratory course that focuses on the functions of the tissues and organs of the human body and the relationship to their structure. Lectures, laboratory exercises, and individual studies allow the student to learn the fundamental concepts of homeostasis, membrane transport, cell communications, and the functions of muscle, nervous, circulatory, respiratory, digestive, endocrine, urinary, and reproductive systems. Topics will also be taken from clinical applications.

STUDENT LEARNING OUTCOMES

Upon completion of this course, Physiology 1 students will explain and describe a fundamental homeostatic process of the human body and how they are controlled by the endocrine and nervous systems.

important dates:

It is the student's responsibility to be aware of all college dates and policies.

Check with the Admissions Office to confirm these dates.

deadline to drop WITHOUT "W" Sept 9, 2012 deadline to drop WITH "W" Nov 18, 2012

If you need to withdraw from the course, you must contact the Admissions & Records Office.

Not attending class does not constitute withdrawal from the course. I will not do this for you.

Failure to formally withdraw will result in a grade of F.

final exams Dec 10-15, 2012

grading:

approximate points:	3 lecture exams	300 pts (100 pts each)
		4 - 6

quizzes 160 pts 1 final exam 150 pts lab assignments / quiz ~ 70 total ~ 680 pts

 $\begin{array}{ccccc} A & \geq & 90 \% \\ B & \geq & 80 \% \\ C & \geq & 70 \% \\ D & \geq & 60 \% \\ F & < & 60 \% \end{array}$

Note: your grade will also be affected by attendance, tardiness, cleanup, and assorted rules – as noted below:

My lecture notes are available to you at and on the Mission College web site

http://moodle.lamission.edu

www.lamission.edu/~covittgs

Please print and bring these to each lecture. Follow the syllabus to see which chapter you will need on each day. These notes are not complete. You will need to add to these with information given in my lectures.

There will be about 12 **lab assignments/quiz**. These are worth about 6 points each. They may be due at the end of each lab session or the beginning of the next, as instructed. You must be present for the lab exercise to get credit. No partial credit. No late credit.

Test questions will cover all material presented during lecture, laboratory, homework, and in the text. There will be information in the lectures that is not in the text, and vice versa. Tests will be multiple choice, fill-in, short answer, and brief essay. There will be no restroom breaks allowed during tests. Leaving the classroom or the use of cell phone or other electronic devices during tests will result in a score of 0.

Missed exams will receive a score of 0. A make-up exam <u>may</u> be allowed with <u>written proof</u> of "dire" circumstances. Make-up exams may be given at the time of the final or by other arrangement convenient to the instructor. There is no make-up for final exams. Arrangements for official religious holidays must be made with the instructor during the first week of the semester.

Quizzes will be given as listed in the course schedule. Additional quizzes may be unannounced. They may cover any chapters we have already studied. They cannot be made up.

Attendance is vital to mastering the concepts of this course. If you miss a class, it is your responsibility to get the information from your classmates. Excessive absences and/or tardiness will lower your final grade.

Cheating will result in a score of 0 on the test and will be reported to the Vice President of Instruction. This includes copying or observing other student's answers, allowing others to copy your work, using unauthorized materials during a test, obtaining test materials from prior semesters (either written or verbal). See the attached **Code of Honor and Integrity.**

assorted rules: (breaking these rules will lower your final grade)

No food or drinks are allowed in the classroom or laboratory at any time. This will be strictly enforced.

No cell phones, computers, notepads, etc may be on or used during class, lecture, or lab.

Audio recorders, camera, or other electronic devices may not be used without the consent of the instructor.

Video recording in the classroom is not allowed at any time.

Clean-up during and at the end of each lab session is a requirement, and will affect your grade.

How to pass this class

It is expected that you will devote about 12 - 15 hours of home study each week.

It is always expected that you have learned the material covered through the last class session, by the time the next class starts. Do not fall behind. I am available to help you before class, during breaks, and via email.

Anatomy:

Students must review the anatomy of each organ system on their own before we begin each physiology chapter.

The instructor reserves the right to change the course schedule at his discretion to better meet the demands of time and the course objectives. I will notify you of any changes in advance, if they occur.

Physiology course schedule N		Mission College	Fall 2012
dates 8/28 8/30	<u>lecture topics :</u> introduction, homeostasis chemistry	Ch 1 Ch 2	<u>lab exercise</u> : lab methods, cells – Ch3
9/4 9/6	membrane transport endocrine – part 1	Ch 3a Ch 16-1	5A transport mechanisms
9/11 9/13	Quiz 1 ; endocrine – part 2 endocrine – part 2	Ch 16-2 Ch 16-2	PX 1 transports, cont. $(PX = PhysioEx)$
9/18 9/20	reproductive development	Ch 27 Ch 28	PX 4 endocrine
9/25 9/27	TEST (Ch 1,2,3,16,27,28) nerve physiology	Ch 11a	lecture - CNS Ch12 ; lab 20 EEG
10/2 10/4	synapse, neurotransmitters integration and reflexes sensory physiology	Ch 11b Ch 11c,13 Ch15	PX 3 nerve physiology; 22 reflexes
10/9 10/11	Quiz 2; vision hearing, equilibrium	Ch15a Ch15b	24,25 vision; hearing
10/16 10/18	autonomic nervous system muscle	Ch 14 Ch 9	lecture- Ch9; lab 16A muscle
10/23 10/25	TEST (Ch 11,12,13,14,15, cardiac	9) Ch 18	31 ECG, PX6 cardiac physiology
10/30 11/1	cardiac; circulatory circulatory	Ch 18, 19 Ch 19	33A cardiovascular, PX5 cardiac dynamics
11/6 11/8	Quiz 3 blood immune system	Ch 17 Ch 21	29A, PX11 blood
11/13 11/15	respiratory system digestive system	Ch 22 Ch 23	37A respiratory; serology
11/20 11/22	TEST (Ch 17,18,19,21,22 <i>no class</i>))	???? no class
11/27 11/29	metabolism , cont	Ch 24	39A digestive
12/4 12/6	urinary system Quiz 4; urinary system, co fluid, electrolyte, acid-base		41A urinary; PX9 urinary
12/13	FINAL EXAM	10:00 – 12:00	

There are several learning aids that I have prepared for you. These are available on our online program, called Moodle.

My class materials, and any recordings or photos made in the class are for your use only and may not be shared with anyone not enrolled in this class - not printed, not online, or in any other format.

INSTRUCTIONS FOR USING MOODLE

http://moodle.lamission.edu

1. login -

user name student ID# eg. 88-123-4567

password birth month / day eg. 1201

- 2. In the center of the page, there is a list of links click on **Fall 2012 Moodle Classes** (not Online Classes)
- 3. Click on this course: **Physiology 1 Prof. Gary Covitt Section # 0407 or 0408**
- 4. Enter the **enrollment key** this will be given to you in class.

Under **Lecture notes** – click on the **chapter** that you want to view. Print these notes and bring them to class.

www.lamission.edu/~covittgs

This is my home page on the Mission College web site.

Here you will find Lecture notes for the first few chapters. Click on the chapter you want. Print these and bring them to lecture. The remaining chapters will only be found on Moodle.

Code of Honor and Integrity

Los Angeles Mission College Department of Life Sciences

Students at Los Angeles Mission College, because they are members of an academic community dedicated to the achievement of excellence and the pursuit of honor, are expected to meet high standards of personal, ethical, and moral conduct. These standards require personal integrity and a commitment to honesty without compromise. Without the ability to trust in these principles, an academic community and a civil society cannot exist. Los Angeles Mission College students and faculty are as committed to the development of students with honesty and integrity as they are to the academic and professional success of its students.

The **Code of Honor and Integrity** is an undertaking of the students, first and foremost, both individually and collectively, that they will:

- 1. not give or receive dishonorable aid during exams, quizzes or assignments
- 2. do their share and take an active part in seeing to it that fellow students, as well as themselves, uphold the spirit and letter of the Code of Honor and Integrity.

Some examples of conduct that are regarded as being in violation of the Honor Code include:

- Copying from another's examination or quiz, or allowing another to copy from one's own papers
- Using any unpermitted source of information, human or other, during an exam, quiz or assignment that influences the grade; this includes the use of technological devices
- Any student-to-student collaboration that is unpermitted
- <u>Plagiarism</u> (plagiarism is defined as the use, without giving reasonable and appropriate credit to, or acknowledging the author or source, of another person's original work)
- Representing as one's own work as the work of another
- Giving or receiving aid on an academic assignment under circumstances in which a reasonable person should have known that such aid is not permitted

As a part of the effort to promote an environment of honesty and integrity during quizzes and examinations, the following guidelines will apply for any courses in the Department of Life Sciences:

- 1. Students will leave all books and all other non-essential items (e.g. paper, electronic devices) on the floor so that they are not useable nor block the sight line between professor and student. No electronic devices will be in reach.
- 2. Students will not communicate in any way that will dishonorably assist themselves or another student.
- 3. Students will leave the room during an exam only if permitted by the professor's policy. If permitted, only one student may leave the room at any time and be gone for only the average length of time needed for the stated purpose. Students will leave all purses, bags, books, phones, jackets, etc., in the classroom during the absence.
- 4. Students will promote the spirit and letter of the **Code of Honor and Integrity** by dissuading fellow students from dishonest activity and, when such casual persuasion does not work, informing the professor of the possible dishonest activity, either anonymously, or otherwise.
- 5. Students will make every effort to avoid even the appearance of dishonesty or lack of integrity

Violation of this policy will not be tolerated and violators will be subject to severe penalties. The success of the **Code of Honor and Integrity** is based upon the collective desire of students, faculty and the community to live in an environment that embraces respect for that which is right – both in the college and in society as a whole.