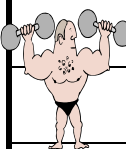






Human Physiology (Biol 2420) Schedule of Classes, Fall 2011

<u>Week</u>	<u>Day</u>	<u>Subject</u>	<u>Reading in Booklet</u>	<u>Corresponding Reading in Text</u>
1	Tues, Aug 30	Introduction/Cell Structure and Function	2-11	vii-xvii, 43-56, 61
	Thur, Sept 1	Cell Structure and Function	2-11	43-56, 61
	Fri, Sept 2	Optional Review Session at 3:30 PM in BNR 102	----	----
	Mon - Fri	Lab: Video (<i>The Universe Within</i>). NO pre-lab assignments due for this first lab.	----	----
2	Tues, Sept 6	Cellular Respiration and Metabolism	12-19	28, 29-30, 34-36, 39, 56-60
	Thur, Sept 8	Cardiovascular System #1	20-32	91-99
	Fri, Sept 9	Optional Review Session at 3:30 PM in BNR 102	----	----
	Mon – Fri	No Labs This Week!	----	----
3	Tues, Sept 13	Cardiovascular System #2	33-46	99-114
	Thur, Sept 15	Cardiovascular System: Blood	47-64	115-123, 124-134
	Fri, Sept 16	Optional Review Session at 3:30 PM in BNR 102	----	----
	Mon – Fri	Lab: Lab Safety and Using Microscopes to Visualize Cells and Tissue	Lab on Blackboard	See pages cited in lab
4	Mon, Sept 19	Last day to drop without notation	-----	-----
	Tues, Sept 20	EXAM #1	----	----
	Thur, Sept 22	Coagulation	65-73	105, 106, 117, 123, 469, 470-471, 484, 485
	Fri, July 8	Optional Review Session at 3:30 PM in BNR 102	----	----
	Mon – Fri	Lab: Electrocardiography, Blood Pressure, and Heart Rate	Lab on Blackboard	See pages cited in lab
5	Tues, Sept 27	Lymphatic System	74-81	104-105, 135, 139-142
	Thur, Sept 29	Nonspecific and Specific Defenses	82-99	142-156
	Fri, Sept 30	Optional Review Session at 3:30 PM in BNR 102	----	----
	Mon – Fri	Lab: Blood Typing, Hematocrits, and Blood Cell Counts	Lab on Blackboard	See pages cited in lab
6	Tues, Oct 4	Digestive System	100-117	157-170
	Thur, Oct 6	Nutrition	118-134	170-184
	Fri, Oct 7	Optional Review Session at 3:30 PM in	----	----

		BNR 102		
	Mon –Fri	Lab: Quiz #1		
7	Tues, Oct 11	EXAM #2	----	----
	Thur, Oct 13	Respiratory System #1	135-147	185-195, 201
	Fri, Oct 14	Optional Review Session at 3:30 PM in BNR 102	----	----
	Mon - Fir	Lab: pH Indicators, Buffers, and pH and Enzyme Function	Lab on Blackboard	See pages cited in lab
8	Tues, Oct 18	Respiratory System #2	148-161	196-206
	Thur, Oct 20	NO CLASS* (*attend all classes, labs, and office hours as if it were Friday)	----	----
	Thur, Oct 20	Optional Review Session at 3:30 PM in BNR 102	-----	-----
	Mon – Thurs*	Lab: Respiration and Exam of Pig Hearts and Lungs (*attend all labs on Thursday as if it were Friday)	Lab on Blackboard	See pages cited in lab
9	Tues, Oct 25	Urinary System #1	162-173	207-214
	Thur, Oct 27	Urinary System #2	174-189	214-228
	Fri, Oct 28	Optional Review Session at 3:30 PM in BNR 102 Last day to drop with a “W”	----	----
	Mon-Fri	Lab: Blood Glucose and Cholesterol Testing	Lab on Blackboard	See pages cited in lab
10	Tues, Nov 1	EXAM #3	----	----
	Thur, Nov 3	Muscular System #1	190-196	253-256, 257, 262-263, 264-266, 270
	Fri, Nov 4	Optional Review Session at 3:30 PM in BNR 102	----	----
	Mon-Fri	Lab: Urinalysis and Kidney Dissection	Lab on Blackboard	See pages cited in lab
11	Tues, Nov 8	Muscular System #2	197-212	258-262, 263-264, 266-274
	Thur, Nov 10	Nervous System #1	213-225	275-282, 295
	Fri, Nov 11	Optional Review Session at 3:30 PM in BNR 102	---	---
	Mon-Fri	Lab: Nervous System	Lab on Blackboard	See pages cited in lab
12	Tues, Nov 15	Nervous System #2	226-240	282-294, 299-302, 415
	Thur, Nov 17	Sense of Vision	241-252	303, 310-316
	Fri, Nov 18	Optional Review Session at 3:30 PM in BNR 102	----	----
	Mon-Fri	Lab: Quiz #2	----	----

13	Tues, Nov 22	EXAM #4	----	----
	Thur, Nov 23	No Class	----	----
	Fri, Nov 24	No Review Session	----	----
	Mon-Fri	No Labs This Week!	----	----
14	Tues, Nov 29	Sense of Hearing/Equilibrium	253-263	198, 315, 317-326
	Thur, Dec 1	Reproductive System: Male	264-275	353-357, 366, 368
	Fri, Dec 2	Optional Review Session at 3:30 PM in BNR 102	----	----
	Mon-Fri	Lab: Senses and Perception	Lab on Blackboard	See pages cited in lab
15	Tues, Dec 6	Reproductive System: Female	276-288	357-364, 368-370
	Thur, Dec 8	Reproductive System: Pregnancy and Birth	305-313	410-418
	Fri, Dec 9	Optional Review Session at 3:30 PM in BNR 102	----	----
	Mon-Fri	Lab*: Discussion on Fertility, Contraception, and Childbirth (*note there are only 4 labs offered this week: M 5:30 PM, M 7:30 PM, W 11:30 AM, and W 1:30 PM)	Lab on Blackboard	See pages cited in lab
16	Tues, Dec 13	Comprehensive Final Exam 11:30 AM-1:20 PM	----	----

Human Physiology
Biol 2420 (4 credits)
Fall 2011

A. Instructor: Angie Cefalo

Address: Biology Department
BNR 111
Utah State University
Logan, UT 84322-5305

Phone: 435-720-0288
E-mail: Acefalo@biology.usu.edu
Appts: You can make an appointment to visit with me by E-mail or telephone

B. Teaching Assistants (TAs), Undergraduate Aides (UAs), and Supplemental Instructor (SI)

1. There are TAs, UAs, and an SI assigned to this course. Their names and office hours will be provided during the first days of class.
2. Historically, students who utilize the TAs, UAs, and SI faithfully earn higher grades!

C. Meeting times:

1. **Lecture** – This class meets on Tuesdays and Thursdays from 10:30-11:45 in BNR 102. There is an optional review session every Friday for 50 minutes at 3:30 PM in BNR 102.
2. **Laboratory** – There are 15 laboratory offerings which meet in **VSB 219** at the times indicated below. Students are **required** to sign up for one laboratory section per week. Please go to the laboratory you regularly attend! **Don't move around.**

Index #	Section	Day	Time
40887	501	Monday	9:30-11:20 AM
40889	502	Monday	11:30 AM-1:20 PM
40890	503	Monday	1:30-3:20 PM
40893	504	Monday	3:30-5:20 PM
40895	505	Monday	5:30-7:20 PM
40897	506	Monday	7:30-9:20 PM
40898	507	Wednesday	9:30-11:20 AM
40899	508	Wednesday	11:30 AM-1:20 PM
40901	509	Wednesday	1:30-3:20 PM
40903	510	Wednesday	3:30-5:20 PM
40905	511	Wednesday	5:30-7:20 PM
40907	512	Wednesday	7:30-9:20 PM
40909	513	Friday	9:30-11:20 AM
40912	514	Friday	11:30 AM-1:20 PM
40914	515	Friday	1:30-3:20 PM

D. Required Materials for Biol 2420:

1. Sylvia Mader's "Human Biology"-**11th edition**, 2010. This text is available at the USU Bookstore.
2. Course booklet which contains all needed outlines. This booklet can be bought from the USU Bookstore.

E. Optional Materials for Biol 2420:

1. Medical dictionary. Any of the "pocket" medical dictionaries would be fine. There are usually some on the shelf next to the required textbooks.

NOTE: It is recommended (but not required) that students have one other human physiology text available for study. An extra text will often serve to clarify points which are confusing, or reinforce those which are considered important.

F. Course Booklet:

1. For each lecture in this course the student is provided with an outline of the subjects to be discussed that day. These outlines are designed to guide your participation during the lectures and also to guide you in your reading of the textbook. These outlines typically have articles attached on which you will be tested. All of these outlines and articles have been collected into a course booklet for your use.
2. If there is information in your textbook that is not mentioned in class, or not mentioned in the course booklet or lab notes, it will not be on the exam.
 - a. You are encouraged to read supplemental information in your text, but you will only be tested on what is cited in the booklets or in our class discussions.
 - b. Note that the booklet often requires you to read articles in the text [i.e.-*Read "Bioethical Focus: Stem Cell Research" on page 61*] for use on your tests!

G. Lectures and Images On-line

1. Each lecture will be recorded (if all goes well with the equipment) and placed on reserve, with the images used, until the end of the semester the next time the course is taught. These can serve as a great study aid and also a good way to prepare for upcoming lectures. They can be accessed by going to the Blackboard Vista site for this course:

H. Examinations and Quizzes for Biol 2420

1. There will be four 50-minute exams of 100 points each and a 110-minute comprehensive final exam (over everything except articles used in earlier exams) worth 200 points. The lecture notes, **class discussions**, handouts, laboratories, and occasional articles distributed in class will be used to formulate exam questions.
2. **There will be two lab quizzes (50 points each) presented in the laboratory that will be prepared and administered by the TAs.**

3. Students will have the score on their lowest 50-minute exam dropped. Their grade will be calculated using the remaining three hourly exams, the lab quizzes, and the final. (If you miss a lecture exam, that is the one which will be dropped).
4. I will attend the optional Friday review sessions (which will be recorded and posted at the Blackboard site) and ask questions in a style similar to the way they will appear on your written exams.
5. Those students who have difficulty with the example first exam and example questions in the book should see the instructor **as soon as possible** to arrange free tutoring with the TAs and UAs.
6. Those students who (“heaven forbid!”) score less than 70% on the first two exams **should seriously seek intensive tutoring or drop the class**.

I. Pre-lab Assignments and Lab participation

1. There will be a 5-point pre-lab assignment that must be turned in at the beginning of each of the scheduled laboratories. They will be initialed by the TA in the lab and returned to you before the lab is over.
2. Lab participation, which includes being in the lab when the roll is called and showing your completed lab to the TA or UA before you leave the lab, will be worth an additional 5 points.
3. So, each of the labs is worth 10 points, for a total of 100 possible points! It is YOUR responsibility to print off the lab from the Blackboard site before each lab (this is NOT required for the first lab, which is a video), complete the pre-lab assignment, be in lab when the roll is called, and to show the TA or UA your completed lab report.

Actual Points Earned	Percentage of Total Points Earned	Grade
648-700	93-100	A
627-647	90-92	A-
599-626	86-89	B+
578-598	83-85	B
557-577	80-82	B-
529-556	76-79	C+
508-528	73-75	C
487-507	70-72	C-
459-486	66-69	D+
417-458	60-65	D
416 or less	59 or less	F

7. The breakdown of points is shown above. The letter grade is based on the percentage of total points earned on their three highest hourly exams (100 points each), the two lab quizzes (50 points each), the ten pre-lab assignments (5 points each) and lab participation (5 points each), and the final (200 points). **There is NO extra credit or special projects to improve your grade!** I simply add up the points and assign you the grade that YOU have earned.
8. Up until the last office hour of the semester you are invited to see me, or the TAs, to view the exam keys and debate your scores. **After the final exam I will only discuss the final exam with you, not your scores on earlier tests or quizzes.**

I. Course Goals:

1. The main goal of this course is to give students a basic understanding and working knowledge of the function of their own bodies. Numerous medical examples, and a few athletic stories, will be provided to illustrate the importance of the systems presented.
2. It is expected that upon successful completion of this course students will be able to effectively apply the knowledge gained in more advanced courses, in their careers, and in their daily lives.

J. Student's Responsibilities:

1. The student is expected to attend all lectures and laboratories, take supplemental notes, read the assigned readings, refer to suggested references as needed and achieve a cumulative score of greater than 75% on the exams.
2. In the event there is some difficulty, it is the **student's responsibility** to contact the instructor, TAs, UAs, or SI for advice or assistance. Free tutoring is available with the TAs UAs, and SI.

K. Unacceptable Classroom Behavior

Since a significant goal of this class is to prepare each of you for your upcoming exams, then behavior that disrupts the classroom environment will be discouraged.

1. Once class has started, **cell phones should be silenced** and no ring tones, conversations, or text messaging are permitted.
2. Once class has started, **talking among students is strongly discouraged**. If you need to talk, please leave the class and conduct your conversation outside. If students persist in talking among themselves during class they will be invited to my office and given a written warning. If they persist in talking after this warning, they will be asked to leave the room so other students can benefit from the limited amount of class time available.
3. Use of laptop computers in class is acceptable, provided it is utilized for notes or materials used in this class. **It is not acceptable to use your computer in class for recreational purposes or for doing work for a different class**. When you come to this class it is expected that you will focus your attention on this class and not engage in computer activities that detract from the classroom experience or that will distract your classmates. If the problem persists, you will be requested to cease your computer activities.

L. Instructor's Responsibilities:

1. The instructor is expected to attend all lectures, read the assigned reading, present supplemental articles, and prepare examinations which are fair and representative of the material covered. The instructor will also be available at posted office hours to answer **specific** student questions and provide needed assistance.

M. Teaching Assistants' and Undergraduate Aides Responsibilities:

1. Typically there are numerous departmental TAs and UAs assigned to this course each semester. These TAs and UAs will come to the lectures as needed so that they will be qualified tutors for each of your exams. The UAs will attend the review sessions each week where the students are quizzed by the UAs with questions the UAs have prepared. The TAs and UAs will assist the instructor in writing the lecture exams. The TAs and UAs will correct and score the exams/quizzes promptly after they are taken by the students. The TAs and UAs will have published office hours to provide help to interested students. **If a TA or UA fails to show up at his/her office hour, please let Andy Anderson know (andy.anderson@usu.edu)!** Andy is the lab coordinator for this class.
2. The TAs and UAs are also expected to attend their individual laboratories, have all the necessary materials available, and be knowledgeable about the scheduled lab exercises. The TAs and UAs will write and administer two lab quizzes. After correcting these quizzes they will turn them in to me for grade recording and posting. The TA will also keep a record of completion of pre-lab assignments and lab participation and turn in a summary sheet to the Instructor at the end of the semester.

N. Supplemental Instructor's (SI) Responsibilities:

1. I have fortunately been provided an undergraduate student to serve as an SI to assist you in getting a good grade in this challenging course. The SI will have two meetings during the week and will have prepared practice questions of the same style as you may expect on your upcoming exams and quizzes. The end-of-the-semester data I am provided by the SI program clearly reveals it improves the performance of most of those students who participate.

O. Science Library References:

1. A copy of the course textbook "Human Biology"-11th edition by Sylvia Mader is on reserve at the Media Collections Desk of the Library.
2. Check the subject index in the Library to find additional useful books on anatomy and/or physiology.
3. A.D.A.M. Interactive Physiology programs for use in Library's computers.

P. Below you will find a University statement on Academic Honesty.

1. **DO NOT REMOVE ANY EXAMINATION MATERIALS FROM THE CLASSROOM OR LABORATORY ON EXAM DAYS!**
2. **DO NOT COPY OR REMOVE ANY EXAMINATION MATERIAL FROM THE TEACHING ASSISTANTS' OR SI'S OFFICES!**
3. If you fail to follow these rules, I will make every effort to subject the offender to the disciplinary procedures designated by the University.

Honor Pledge

Students will be held accountable to the Honor Pledge which they have agreed to: "I pledge, on my honor, to conduct myself with the foremost level of academic integrity."

Academic Dishonesty

The Instructor of this course will take appropriate actions in response to Academic Dishonesty, as defined the University's Student Code:

Acts of academic dishonesty include but are not limited to:

1. Cheating: (1) using or attempting to use or providing others with any unauthorized assistance in taking quizzes, tests, examinations, or in any other academic exercise or activity, including working in a group when the instructor has designated that the quiz, test, examination, or any other academic exercise or activity be done "individually"; (2) depending on the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments; (3) substituting for another student, or permitting another student to substitute for oneself, in taking an examination or preparing academic work; (4) acquiring tests or other academic material belonging to a faculty member, staff member, or another student without express permission; (5) continuing to write after time has been called on a quiz, test, examination, or any other academic exercise or activity; (6) submitting substantially the same work for credit in more than one class, except with prior approval of the instructor; or (7) engaging in any form of research fraud.
2. Falsification: altering or fabricating any information or citation in an academic exercise or activity.
3. Plagiarism: representing, by paraphrase or direct quotation, the published or unpublished work of another person as one's own in any academic exercise or activity without full and clear acknowledgment. It also includes using materials prepared by another person or by an agency engaged in the sale of term papers or other academic materials.

Full text of the Student Code available at available at available at

<http://www.usu.edu/studentservices/pdf/StudentCode.pdf>:

Q. Students with Disabilities

1. Students with physical, sensory, emotional or medical impairments may be eligible for reasonable accommodations in accordance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973. All accommodations are coordinated through the Disability Resource Center (DRC) in Room 101 of the University Inn, 797-2444, 797-0740 TTY, or toll free at 1-800-259-2966. Please contact the DRC as early in the semester as possible. Alternate format materials (Braille, large print or digital) are available with advance notice.

R. University policy on withdrawals and incomplete grades.

1. I direct your attention to the current USU policy on dropping courses in the USU Catalog.
2. You will note that “incomplete grades” are only given for conditions beyond the students’ control and not due to poor performance. Students who receive an incomplete **MUST** keep the scores they earned up until they leave the class. At a later date they are **ONLY** allowed to complete the quizzes and exams that remained unfinished.

S. Notice on lab fees

1. As part of your registration for this class you were required to pay a “lab fee” of \$40. This fee is used by me to buy lab supplies and specimens for your use. All of your lab fees are used to enhance your learning opportunities in this course and to help your TAs, UAs, SI and your instructor to hopefully make it easier for you to succeed in this challenging subject.