

BIOLOGY 2402
HUMAN PHYSIOLOGY
4 CREDIT HOURS
FALL 2017

SECTION: 2402.01
CLASS TIME: MWF 11-11:50
LOCATION: LDB 220

SECTION: 2402.04
CLASS TIME: MW 3-4:20
LOCATION: LDB 214

Lecture Course Instructor:

Sarah Couch M.S.
Office in LDB 302, Phone (936) 294-3744 email: sarah.couch@shsu.edu
Office Hours: T, Th 10:00-11:00

REMIND 101: send text message _____

Tutoring: _____

Course Coordinator: Dr. Jordan Clark: Human Anatomy & Human Physiology: LDB 148

Course Description:

Prerequisites: A minimum grade of C or better in Human Anatomy (BIO 2401) and a course in introductory chemistry are required. This course may not be applied for biology major credit and is open only to students pursuing degrees in nursing, physical therapy, physical education, or other related health fields.

NOTE: A minimum GPA of 3.0 (B average) in science courses is required to even apply to Nursing School. Students admitted to Nursing School have an average GPA of 3.4. So, if you want to get into Nursing School, obtain no less than a B in all of your pre-nursing courses. In addition, nursing schools tend to look more favorably on applicants who do not retake any single course more than once, or have more than two different courses retaken.

Lecture: This lecture course will help students identify and understand the functional mechanisms of several important human organ systems and how these systems maintain homeostasis. This course is also designed to emphasize a clinical knowledge of physiology and clinical techniques as would be needed by students studying nursing, physical therapy, and related fields.

My approach to science education is concept based learning. You will be required to know some basic facts in order to understand connections, but it is most important for me to teach you how to *learn* physiology. To better help you make lasting connections, class time will be spent both with lecture and active learning exercises.

Laboratory: Laboratory sessions are an important part of your educational experience and will therefore account for a fourth of your grade in this course. Laboratory sessions will help you gain an understanding and appreciation of scientific investigation as you learn procedures and techniques used to study human physiology. Laboratory sessions will also introduce critical aspects of experimentation and how to collect, analyze, and evaluate data. Laboratory regulations, procedures, and requirements will be outlined in detail by your laboratory instructor during your first laboratory meeting.

Required Course Texts:

Access Code to Connect®, LearnSmart®. We will go over this the first day of class.
Purchase Vander's Physiology 14th Ed. With Learn Smart Access through McGraw Hill **directly**.
You also have an option of purchasing a paperback book at the same time (not required).

Laboratory Exercises in Human Physiology: A Clinical and Experimental Approach with PhILS by Lutterschmidt & Lutterschmidt.

ISBN: 9781308918631

or

ISBN: 9780073378053

(last semester's ISBN -still the same book but more expensive because of extra access code)

Required Materials:

Scantron 882-E (4)

Scantron 815- E (several)

Notecards

Course Evaluation: This course has two components, lecture and lab, combined into one overall four-hour course grade.

Assessment	Weighted (%)
4 lecture exams	25
Quizzes	20
LearnSmart Pre Lecture HW	10
Connect Post Lecture HW	15
Laboratory	30
Total	100%

Should an error be made in scoring exams, I must be informed **within a week** of the time exam grades are posted. Corrections will not be considered after that period.

Quizzes will be taken in class or on-line at the McGraw-Hill Connect website created for the class, thus **registration for the site is required**. If you do not take the quiz during the assigned time, there will be **no make-up quiz**, nor will I provide an alternate assignment. Lecture **quizzes** taken on the McGraw-Hill Connect Website will have a determined time limit, starting from the moment the quiz is opened, so do not open the quiz unless you have sufficient time to complete it. LearnSmart assignments are not timed, and you can start and stop the assignment at your leisure. However, you must complete the assignment before the due date in order to receive credit. Please note that the quizzes are **not compatible with mobile devices, so please make sure to take the quizzes on a desktop or laptop computer with a stable internet connection**.

In addition, there may be take-home or in-class active learning projects, given to enhance understanding of lecture topics. If you are not in class on the day of an in-class assignment, no make-up assignment will be given.

NOTE: I will be posting handouts, lecture notes, assignments, chapter objectives, schedule, etc. on Blackboard. You should plan to access the course site often (**daily**). The course schedule is continuously updated.

McGraw Hill Connect Assignments (LearnSmart, Post Lecture): Note this course will be paired with Blackboard and therefore a course URL will not be required. Just click on your first Connect assignment in Blackboard and you will be directed to the course registration page. After registering the first time, you will automatically be directed to Connect from the Blackboard page. Always begin your assignments through

Blackboard for grade syncing purposes, rather than logging in to Connect directly. **DO NOT log in to Connect separately from Blackboard when completing assignments.**

If you have any questions or problems on how to use Connect throughout the course, please contact the **McGraw Hill Customer Experience Group** at the contact information below. If they cannot resolve your issue, please contact me directly with the case number they provide you.

- Phone: 800-331-5094
- Email & Chat: mhhe.com/support
- Hours: M-Th 7am – 3am, Friday 7am – 8pm, Saturday 9am – 7pm, Sunday 11am – 1am

Attendance and Expectations: As University students, I expect you to behave professionally (cell phones off in class- unless used to Top Hat, prompt attendance, respect to other students, etc). Exam material is primarily from lectures and in-class discussions, thus if you miss class your grade will suffer.

Due to the time demand of this course you will only be allowed one make-up exam. You must notify me before the exam and no later than 8 hours after the missed exam. You must also provide verification by means of official University activity or medical excuse. Failure to abide by any one of these attendance policies will result in a zero for the missed exam without the opportunity to take a make-up. The date, time and form of the make-up exam will be decided by the instructor.

All assignments must be turned in on time or points will be deducted. Assignments that are more than one day late will not be accepted.

LAB POLICIES:

Your Teaching Assistant will give you a complete description of lab policies on the first day of lab. Be aware that you must attend the lab for which you are registered and may NOT switch sections. You should come prepared for lab on time and bring your new un-used lab manual. Any homework assignments that are collected must be submitted in person and not turned in by proxy (a classmate). In addition, homework is due at the beginning of lab; thus if you are late to lab and do not submit it in time it will not be graded.

ACADEMIC DISHONESTY:

All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action.

Dishonesty on a test or major project will result in failure of the course. The University and its official representatives may initiate further disciplinary proceedings against a student accused of any form of academic dishonesty including but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials.

Cell phones must be OFF put away during exams. If your cell phone is out during testing days, then your exam will be taken up and you will receive a “0” for the test, and face possible additional disciplinary action.

STUDENT ABSENCES ON RELIGIOUS HOLY DAYS POLICY:

Section 51.911(b) of the Texas Education Code requires that an institution of higher education excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. Section 51.911 (a) (2) defines a religious holy day as: “a holy day observed by a religion whose places of worship are exempt from property taxation under Section 11.20...” A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence.

University policy 861001 provides the procedures to be followed by the student and instructor. A student desiring to absent himself/herself from a scheduled class in order to observe (a) religious holy day(s) shall present to each instructor involved a written statement concerning the religious holy day(s). The instructor will

complete a form notifying the student of a reasonable timeframe in which the missed assignments and/or examinations are to be completed. For a complete listing of the university policy, see:

http://www.shsu.edu/~vaf_www/aps/documents/861001.pdf

STUDENTS WITH DISABILITIES POLICY:

It is the policy of Sam Houston State University that individuals otherwise qualified shall not be excluded, solely by reason of their disability, from participation in any academic program of the university. Further, they shall not be denied the benefits of these programs nor shall they be subjected to discrimination. Students with disabilities that might affect their academic performance are expected to visit with the Office of Services for Students with Disabilities located in the Counseling Center . They should then make arrangements with their individual instructors so that appropriate strategies can be considered and helpful procedures can be developed to ensure that participation and achievement opportunities are not impaired.

SHSU adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with disabilities. If you have a disability that may affect adversely your work in this class, then I encourage you to register with the SHSU Counseling Center and to talk with me about how I can best help you. All disclosures of disabilities will be kept strictly confidential. NOTE: No accommodation can be made until you register with the Counseling Center . For a complete listing of the university policy, see:

http://www.shsu.edu/~vaf_www/aps/811006.pdf

VISITORS IN THE CLASSROOM:

Only registered students may attend class. Exceptions can be made on a case-by-case basis by the professor. In all cases, visitors must not present a disruption to the class by their attendance. Students wishing to audit a class must apply to do so through the Registrar's Office.

Classroom Rules of Conduct: Cell phones must be turned off and put away before class begins. Students are prohibited from reading, sleeping, texting, talking at inappropriate times, or engaging in any other form of distraction. Inappropriate behavior in the classroom shall result in a directive to leave class. Students who are especially disruptive may be reported to the Dean of Students for disciplinary action in accordance with university policy. No audio or visual recording of the lecture may take place without the express written consent form signed by both instructor and student.

Tentative Schedule

The following is **tentative**. Weeks for the exams will be followed as closely as possible, but they are **subject to change**. It is **YOUR** responsibility to attend class, check Blackboard often, and be aware of schedule changes.

Week	Lecture Topic	Assignments	Due Dates
1 (8/21)	Intro to Course Ch. 1 Homeostasis	Intro to Connect LS Ch 2-3 Post Lecture HW Ch1,2, 3	8/25- Midnight 9/3- Midnight 9/5 - Midnight
2 (8/28)	Ch. 1 Homeostasis Ch. 2 Chemical Composition of the Body Ch. 3 Cell Structures, Proteins, & Metabolism	QUIZ	
3 (9/4- Holdiay)	Ch. 3 Cell Structures, Proteins, & Metabolism	QUIZ Exam 1	9/8 (9/11 for 2402.04)
4 (9/11)	Ch. 4 Movement of Molecules Across a Cell Membrane Ch. 5 Control of Chemical Messengers	LS Ch. 4-6 Post Lecture HW Ch 4-7 QUIZ	10/2- Midnight 10/3- Midnight
5 (9/18)	Ch. 5 Control of Chemical Messengers	QUIZ	
6 (9/25)	Ch. 6 Neuronal Signaling & Structure of Nervous System	QUIZ	
7(10/2)	Ch. 6 Neuronal Signaling & Structure of Nervous System EXAM Ch. 9 Muscle	QUIZ EXAM 2	10/4

8 (10/9)	Ch. 9 Muscle	LS Ch. 9, 11,12 Post Lecture HW Ch. 9, 11, 12 QUIZ	10/23- Midnight 10/24- Midnight
9 (10/16)	Ch. 11 Endocrine System Ch. 12 Cardiovascular Physiology	QUIZ	
10 (10/23)	Ch. 12 Cardiovascular Physiology	QUIZ EXAM 3	10/25
11 (10/30)	Ch. 13 Respiratory Physiology	LS Ch. 13,14,15,17 Post Lecture HW Ch 13,14,15,17 QUIZ	12/4- Midnight 12/5- Midnight
12 (11/6)	Ch. 14 Kidneys and Regulation of Water/ Ions	QUIZ	
13 (11/13)	Ch. 14 Kidneys and Regulation of Water/ Ions Ch. 15 Digestion and Absorption	QUIZ	
14 (11/20) Holiday 11/22-11/24	Ch. 15 Digestion and Absorption Ch. 17 Reproductive Physiology	QUIZ	
15 (11/27)	Ch. 17 Reproductive Physiology Review	QUIZ	
16 (12/4)	FINALS WEEK	FINAL EXAM Class : 2402.01 2402.04	12/6 9:30-11:30 12/6 5:00 -7:00