



HOUSTON COMMUNITY COLLEGE (CENTRAL CAMPUS)
Anatomy & Physiology I /BIOL 2301 / COURSE#11015
Spring 2019 - Regular Semester

INSTRUCTOR CONTACT INFORMATION

Instructor:	Lawrence Wald, B.A., D.C.	Office Phone:	713-718-6050
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WELCOME TO

Course Title:	Anatomy & Physiology I	Semester and Year:	Spring 2019
Course Prefix:	BIOL 2301		
Course Number:	11015	Class Days & Times:	Mon/Wed: 7:30 - 8:50 pm
Credit Hours:	3 SCH	Room #	LHSB 408

COURSE OVERVIEW

Course Description:

Anatomy and Physiology I is the first part of a two-course sequence. It is a study of the structure and function of the human body including cells, tissues, and organs of the following systems: integumentary, skeletal, muscular, nervous and special senses. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis.

Program Student Learning Outcomes (PSLOs) for the Biology Discipline

1. Will display an understanding of biological systems and evolutionary processes spanning all ranges of biological complexity, including atoms, molecules, genes, cells, and organisms.
2. Will integrate factual and conceptual information into an understanding of scientific data by written, oral and/or visual communication. (This may include successful completion of a course-specific research project or a case study module).
3. Will demonstrate proficiency and safe practices in the use of laboratory equipment and basic laboratory techniques.
4. Will apply principles of the scientific method to problems in biology in the collection, recording, quantitative measurement, analysis and reporting of scientific data.

Course Student Learning Outcomes (CSLOs):

Completion of the specific Student Learning Outcomes listed below does NOT and will NOT guarantee the student any specific final course grade at the end of the semester!

1. Use anatomical terminology to identify and describe locations of major organs of each system covered.
2. Explain interrelationships among molecular, cellular, tissue, and organ functions in each system.
3. Describe the interdependency and interactions of the systems.
4. Explain contributions of organs and systems to the maintenance of homeostasis.

5. Identify causes and effects of homeostatic imbalances.
6. Describe modern technology and tools used to study anatomy and physiology.

In our efforts to prepare students for a changing world, students may be expected to utilize computer technology while enrolled in classes, certificate, and/or degree programs. The specific requirements are listed below:

GETTING READY

Prerequisites:

Math 0106 or higher placement by testing, must be placed in college level reading.

Co-requisites:

Biology 2101 - Anatomy and Physiology I Lab

Required Material:

Textbook: McKinley MP et al., *Anatomy & Physiology - An Integrative Approach*, 2nd edition. McGraw Hill: New York, 2016.

Learning Web: Assignments may be posted on the Learning web found at the following link:

<http://learning.hccs.edu/faculty/>

CANVAS: All lecture notes, powerpoints, study guides, illustrations, up-to-date information can be accessed online. "Canvas" is your direct link to all relevant information presented in this course. (Please use it often!)

INSTRUCTOR GUIDELINES AND POLICIES

Attendance: You are expected to attend all lecture classes and labs regularly. You are also responsible for materials covered during your absences. Instructors may be willing to consult with you for make-up assignments, but it is your responsibility to contact the instructor. Class attendance is monitored daily. Although it is your responsibility to drop a course for nonattendance, the instructor has the authority to drop you for excessive absences. You may be dropped from a course after accumulating absences in excess of 12.5 percent of the total hours of instruction (lecture and lab). For example:

- For a 3 credit-hour lecture class meeting 3 hours per week (48 hours of instruction), you can be dropped after 6 hours of absence.
For a 4 credit-hour lecture/lab course meeting 6 hours per week (96 hours of instruction), you can be dropped after
- 12 hours of absence.

Departments and programs governed by accreditation or certification standards may have different attendance policies. Administrative drops are at the discretion of the instructor. Failure to withdraw officially can result in a grade of "F" or "FX" in the course.

Exams/Quizzes: There will be four non-comprehensive exams and one comprehensive department final..

Make-up Exams: With proper notification and excuse, the first three exams can be made up.

IN CLASS TECHNOLOGY (Cell Phones, Laptops, etc.): You may use laptops and cell phones for educational purposes only.

INSTRUCTORS'S ASSURANCE

As an instructor, I want my students to be successful. I feel that it is my responsibility to provide you with a framework in which to build the vast knowledge concerning the structure and function of the human body.

As a health care provider, I want my students to experience, as I do, the realization of the miracle of the human body. To achieve these goals, I provide lecture notes and study guides which allow you to focus on my powerpoint presentations.

As a student wanting to learn about the human body, it is your responsibility to read the textbook, submit the lab reports when required, study for the exams, participate in laboratory exercises, attend class, and enjoy yourself while experiencing the human body.

As I believe that engaging the students in the learning is essential for teaching to be effective, you will spend the majority of lab time involved in collaborative efforts and discussions with your classmates.

TENTATIVE INSTRUCTIONAL OUTLINE: The Instructor reserves the right to change the instructional outline if needed. Students will be informed in a timely manner of any changes.

	Date	Schedule Overview for Semester
1	Mon, Jan 14 Wed, Jan 16	Introduction; Ch. 1 - The Sciences of Anatomy & Physiology Ch. 1 - The Sciences of Anatomy & Physiology [cont.] Ch. 2 - Atoms, Ions, and Molecules
2	Mon, Jan 21 Wed, Jan 23	Martin Luther King Day - No Classes Ch. 2 - Atoms, Ions, Molecules [cont.] Ch. 3 - Energy, Chemical Reactions, & Cellular Respiration
3	Mon, Jan 28 Wed, Jan 30	Ch. 3 - Energy, Chemical Reactions, & Cellular Respiration [cont.] Ch. 4 - Biology of the Cell Ch. 4 - Biology of the Cell [cont.]
4	Mon, Feb 4 Wed, Feb 6	Review Ch. 5 - Tissue Organization
5	Mon, Feb 11 Wed, Feb 13	Exam 1 (Chapters 1, 2, 3, & 4) Ch. 5 - Tissue Organization [cont.] Ch. 6. - Integumentary System
6	Mon, Feb 18 Wed, Feb 20	Ch. 6. - Integumentary System [cont.] Ch. 7 - Skeletal System: Bone Structure & Function Ch. 7 - Skeletal System: Bone Structure & Function [cont.] Ch. 8 - Skeletal System: Axial & Appendicular Skeleton
7	Mon, Feb 25 Wed, Feb 27	Ch. 8 - Skeletal System: Axial & Appendicular Skeleton [cont.] Ch. 9 - Skeletal System: Articulations
8	Mon, Mar 4 Wed, Mar 6	Review Exam 2 (Chapters 5, 6, 7, & 8)
9	Mon, Mar 18 Wed, Mar 20	Ch. 9 - Skeletal System: Articulations [cont.] Ch. 10 - Muscle Tissue Ch. 10 - Muscle Tissue [cont.] Ch. 11 - Muscular System; Axial and Appendicular Muscles

10	Mon, Mar 25 Wed, Mar 27	Ch. 11 - Muscular System; Axial and Appendicular Muscles [cont] Ch. 12 - Nervous System: Nervous Tissue
11	Mon, Apr 1 Wed, Apr 3	Ch. 12 - Nervous System: Nervous Tissue [cont.] Ch. 13 - Nervous System: Brain & Cranial Nerves
12	Mon, Apr 8 Wed, Apr 10	Ch. 13 - Nervous System: Brain & Cranial Nerves [cont.] Exam 3 (Chapters 9, 10, 11, & 12)
13	Mon, Apr 15 Wed, Apr 17	Ch. 14 - Nervous System: Spinal Cord & Spinal Nerves Ch. 14 - Nervous System: Spinal Cord & Spinal Nerves [cont.]
14	Mon, Apr 22 Wed, Apr 24	Ch. 15 - Nervous System: Autonomic Nervous System Ch. 16 - Nervous System: Senses
15	Mon, Apr 29 Wed, May 1	Ch. 16 - Nervous System: Senses [cont.] Review
16	TBA	Exam 4 (Chapters 13, 14, 15, & 16); Department Final

BEHAVIOR AND ETIQUETTE

NO EATING OR DRINKING OR SMOKING IN LABORATORY: No food or drinks are allowed in the laboratory. In addition, no smoking is allowed.

QUESTIONS/PROBLEMS: Please make sure that if you have any questions or problems at any time, that you first contact me as soon as possible. The worst thing you can do is wait to contact me or to not take advantage of the resources available to you. By taking an active part in your education, you will make your academic experience much more rewarding and exciting!!

EGLS₃ (Evaluation for Greater Learning Student Survey System)

At Houston Community College, professors believe that thoughtful student feedback is necessary to improve teaching and learning. During a designated time near the end of the term, you will be asked to answer a short online survey of research-based questions related to instruction. The anonymous results of the survey will be made available to your professors and department chairs for continual improvement of instruction. Go to www.hccs.edu/egls3 for more information.

GRADE DETERMINATION:

Students will be required to successfully complete the following, according to the HCC grading scale.

Exam 1: One hundred (100) questions will be primarily multiple choice, but may also include true or false, matching, and picture identification. They will cover Chapters 1, 2, 3, and 4. Questions will include knowledge questions, identification questions, comprehension questions, and analysis questions. Each correct answer is worth one point for a total of 100 points.

Exam 2: One hundred (100) questions will be primarily multiple choice, but may also include true or false, matching, and picture identification. They will cover Chapters 5, 6, 7, and 8. Questions types will include knowledge questions, identification questions, comprehension questions, and analysis questions. Each correct answer is worth one point for a total of 100 points.

Exam 3: One hundred (100) questions will be primarily multiple choice, but may also include true or false, matching, and picture identification. They will cover Chapters 9, 10, 11, and 12. Questions types will include knowledge questions,

identification questions, comprehension questions, and analysis questions. Each correct answer is worth one point for a total of 100 points.

Exam 4: One hundred (100) questions will be primarily multiple choice, but may also include true or false, matching, and picture identification. They will cover Chapters 13, 14, 15, 16. Questions types will include knowledge questions, identification questions, comprehension questions, and analysis questions. Each correct answer is worth one point for a total of 100 points.

Mandatory System-wide Departmental Final Fifty (50) multiple choice questions will be chosen by a system-wide panel. The exam will be comprehensive covering all previous course-work. Each correct answer is worth 1 point for a total of 50 points.

Project: To be announced worth fifty (50) points.

Letter Grade Assignment: There is a total of 500 points to be earned during the semester.

HCC Grading Scale

Final Grade Percentage	Final Grade	Points Earned
90 - 100	A	447.5 - 500
80 - 89	B	397.5 - 447.4
70 - 79	C	347.5 - 397.4
60 - 69	D	297.5 - 347.4
0 - 59	F	0 - 297.4

FX (Failure due to non-attendance)

IP (In Progress)

W (Withdrawn)

I (Incomplete)

REPEATING COURSES (THREE-PEAT RULE)

As a result of recent Texas legislative changes, please be advised that HCC is charging additional tuition for students who enroll in the same class three or more times at HCC. While it is the hope of HCC that students will be successful in their first attempt at classes, we realize that life demands, academic struggles, and other issues may result in students needing to take the same class more than once. Speaking with an advisor will help you develop student success skills, improving your overall academic performance. If a student repeats a course in which a grade (A-F) has been received, the highest grade received at HCC is the permanent grade for the course and will be used in computing the GPA. All grades earned in a given course will be reflected on the transcript. Other colleges may compute the GPA differently than HCC.

COURSE WITHDRAWALS (6-Drop Rule)

Students must withdraw by the withdrawal deadline in order to receive a "W" on a transcript. Final withdrawal deadlines vary each semester and/or depending on class length, please visit the online Academic Calendar, any HCC Registration Office, or any HCC advisor to determine class withdrawal deadlines.

Be certain you understand HCC policies about dropping a course and consult with a counselor/advisor to determine if withdrawing is in your best interest. It is your responsibility to withdraw officially from a class and prevent an "F" from

appearing on your transcript. Senate Bill 1231 limits the number of W's a student can have to 6 classes over the course of their entire academic career. This policy is effective for students entering higher education for the first time in fall 2007 and subsequent terms. Withdrawals accumulated at any other Texas public higher education institution count toward the 6 course total. Withdrawals for certain circumstances beyond the students control may not be counted toward the 6-drop limit.

In addition, withdrawing from a course may impact your financial aid award or eligibility. Contact the Financial Aid Office or website to learn more about the impact of withdrawing on financial aid.

HCCS IS COMMITTED TO YOUR SUCCESS

Early Intervention Program and Services

Your success is our primary concern! If you are experiencing challenges achieving your academic goals, please contact your instructor or an early intervention coach. We can provide assistance with academic needs, ADA accommodations, classroom difficulties, financial concerns, and other issues.

Tutoring

HCCS provides free online tutoring for all HCC students. Go to www.hccs.askonline.net; use your own e-mail address; choose a username and password you will remember; put your HCC student ID number in the Comment Box.

Counseling Services

Counseling services are available to students who are experiencing difficulty with academic issues, selection of college major, career planning, disability accommodations, or personal issues.

TENTATIVE INSTRUCTIONAL OUTLINE: The Instructor reserves the right to change the instructional outline if needed. Students will be informed in a timely manner of any changes.

ADDITIONAL INSTRUCTOR AND INSTITUTIONAL POLICIES

ACADEMIC INTEGRITY

This instructor is committed to a high standard of academic integrity in the academic community. In becoming a part of the academic community, students are responsible for honesty and independent effort. Failure to uphold these standards includes, but is not limited to, the following: plagiarizing written work or projects, cheating on exams or assignments, collusion on an exam or project, and misrepresentation of credentials or prerequisites when registering for a course. Cheating includes looking at or copying from another student's exam, orally communicating or receiving answers during an exam, having another person take an exam or complete a project or assignment, using unauthorized notes, texts, or other materials for an exam, and obtaining or distributing an unauthorized copy of an exam or any part of an exam. Plagiarism means passing off as his/her own the ideas or writings of another (that is, without giving proper credit by documenting sources). Plagiarism includes submitting a paper, report, or project that someone else has prepared, in whole or in part. Collusion is inappropriately collaborating on assignments designed to be completed independently. These definitions are not exhaustive. When there is clear evidence of cheating, plagiarism, collusion, or misrepresentation, disciplinary action may include but is not limited to requiring you to retake or resubmit an exam or assignment, assigning a grade of zero or "F" for an exam or assignment; or assigning a grade of "F" for the course. Additional sanctions including being withdrawn from the course, program or expelled from school may be imposed on a students who violate the standards of academic integrity.

STUDENT BEHAVIOR EXPECTATIONS

Students are expected to conduct themselves appropriately while on College property or in an online environment. The instructor would institute established HCCS disciplinary action. Students who pose a threat to the safety of others will be subject to immediate withdrawal from the classroom. Please refer to the HCC Student Handbook.

AMERICANS WITH DISABILITIES ACT STATEMENT

HCCS is dedicated to providing the least restrictive environment for all students. We promote equity in academic access through the implementation of reasonable accommodations as required by the Vocational Rehabilitation Act of 1973, Title V, Section 504 and the Americans with Disabilities Act of 1990 (ADA) which will enable students with disabilities to participate in and benefit from all post-secondary educational activities.

If you require reasonable accommodations because of a physical, mental, or learning disability, please contact the Counseling Office to obtain the necessary information to request accommodations. Upon completion of this process, please notify your instructor as soon as possible and preferably before the end of the first two weeks of class to arrange for reasonable accommodations.

COMPUTER VIRUS PROTECTION

Computer viruses are, unfortunately, a fact of life. Using removable devices on more than one computer creates the possibility of infecting computers and diskettes with a computer virus. This exposes the computers of the college, your personal computer, and any others you may be using to potentially damaging viruses. The college has aggressive anti-virus procedures in place to protect its computers, but cannot guarantee that a virus might not temporarily infect one of its machines. It is your responsibility to protect all computers under your control and use and ensure that each diskette you use, whenever or wherever you use it, has been scanned with anti-virus software. Since new viruses arise continually, your anti-virus software must be kept current. And, since no anti-virus software will find every virus, keeping backup copies is extremely important.

EQUAL OPPORTUNITY STATEMENT

It is the policy of the HCCS to provide equal employment, admission and educational opportunities without regard to race, color, creed, national origin, gender, age, veteran's status, sexual orientation, or disability.

FERPA

The academic, financial and non-directory information on your student account is confidential and protected by the Family Educational Rights & Privacy Act (FERPA). We cannot release certain information to another person without your written authorization. Further information regarding Student Records and FERPA can be found at; <http://www.hccs.edu/district/about-us/procedures/student-rights-policies--procedures/>

FINAL EXAMINATIONS

A final evaluation activity will occur during the published final evaluation period. The appropriate dean, director, or department chair must approve any variation to this schedule.

TITLE IX OF THE EDUCATION AMENDMENTS OF 1972, 20 U.S.C. A§ 1681 ET. SEQ.

Title IX of the Education Amendments of 1972 requires that institutions have policies and procedures that protect students' rights with regard to sex/gender discrimination. Information regarding these rights are on the HCC website under Students-Anti-discrimination. Students who are pregnant and require accommodations should contact any of the ADA Counselors for assistance.

It is important that every student understands and conforms to respectful behavior while at HCC. Sexual misconduct is not condoned and will be addressed promptly. Know your rights and how to avoid these difficult situations.

Log in to: www.edurisksolutions.org . Sign in using your HCC student e-mail account, then go to the button at the top right that says **Login** and enter your student number.