Anatomy & Physiology for Health  
H EDU 4650: 090 Fall 2017  
4 credit hours

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Class meeting times: online

TEXTBOOK AND REQUIRED RESOURCES
Anatomy and Physiology for Health Professionals, Second edition; Jones and Bartlett  
ISBN #: 9781284036947  
Canvas: https://utah.instructure.com/courses/450401

SUGGESTED RESOURCES
Navigate 2: http://www.jblearning.com/, course id: 24832A  
You are encouraged to also use a variety of online search engines, medical dictionaries, A&P resources from the library, and other related materials which will help you to understand the concepts presented. Also, please ask questions when class concepts are not understood.

MINIMUM COMPUTER REQUIREMENTS:
It is each student’s responsibility to maintain continuous access to our online Canvas course portal throughout the duration of this course. In the event of personal computer failures, home Internet outages, and so on...please access our course via a campus computer lab, public library, local coffee shop, or other Internet gateway. You are responsible to get all quizzes and exams done on time.

COURSE DESCRIPTION
H EDU 4650 is an online course in human anatomy and physiology (i.e., the body’s structures and functions), particularly as those topics pertain to health educators and EMS professionals.
STUDENT LEARNING OUTCOMES
By the end of this course you will be able to understand, interpret, and explain:

- the anatomical position and its related planes, quadrants, movements, and positions
- the structural and functional relationships of the body as a whole, as well as its individual systems, organs, tissues, and cells
- homeostasis, and the negative and positive feedback processes
- various maturation and aging processes
- various diseases
- basic metabolism
- cellular anatomy & physiology, including cell membrane transport mechanisms and the tonicity of solutions
- the integumentary system, including skin, hair, nails, glands, and related cells

CANVAS
As an online course, H EDU 4650 relies on a variety of computer-delivered activities, including narrated videos, interactive websites, and text documents. It is the student’s responsibility to maintain pace throughout the semester, and to supplement class activities with any additional self-studies needed. Students are responsible for all materials specified in the Canvas online course portals, and for checking their Canvas and University of Utah e-mail accounts regularly. All course communication will be through Canvas and email.

UNIVERSITY POLICY

1- The Americans with Disabilities Act. The University of Utah seeks to provide equal access to its programs, services, and activities for people with disabilities. If you will need accommodations in this class, reasonable prior notice needs to be given to the Center for Disability Services (CDS; http://disability.utah.edu/; 162 Olpin Union Building; (801)-581-5020). CDS will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made available in an alternative format with prior notification to the CDS.

2- Addressing Sexual Misconduct. Title IX makes it clear that violence and harassment based on sex and gender (which includes sexual orientation and gender identity/expression) is a Civil Rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, color, religion, age, status as a person with a disability, veteran’s status or genetic information. If you or someone you know has been harassed or assaulted, you are encouraged to report it to the Title IX Coordinator in the Office of Equal Opportunity and Affirmative Action, 135 Park Building, 801-581-8365, or the Office of the Dean of Students, 270 Union Building, 801-581-7066. For support and confidential consultation, contact the Center for Student Wellness, 426 SSB, 801-581-
To report to the police, contact the Department of Public Safety, 801-585-2677 (COPS).

3- **The Code of Student Rights and Responsibilities.** The code, which specifies student rights as well as conduct involving cheating, plagiarism, collusion, fraud, theft, etc., is provided at [http://regulations.utah.edu/academics/6-400.php](http://regulations.utah.edu/academics/6-400.php).

4- **Wellness Statement.** Personal concerns such as stress, anxiety, relationship difficulties, depression, cross-cultural differences, etc., can interfere with a student’s ability to succeed and thrive at the University of Utah. For helpful resources contact the Center for Student Wellness, [http://wellness.utah.edu/](http://wellness.utah.edu/); 801-581-7776.

### STUDENT EXPECTATIONS

These expectations exist to maintain the high level of professionalism expected in this course.

1- Attendance is not mandatory; however the Instructor is not required to "make-up" information with students who have missed class. Missing class would include not accessing the modules, quizzes, or exams before they close.

2- If you have issues accessing Canvas or any of the material in Canvas, you will contact the instructor as soon as possible to resolve the issue. You may also contact the Canvas support/help desk. The Instructor may also refer you to Canvas support/help desk.

### TUTORING

Affordable A&P tutoring for individuals and groups is offered at the U’s on-campus tutoring center ([http://tutoringcenter.utah.edu/](http://tutoringcenter.utah.edu/)). Simply ask for one of the tutors assigned to Biology 2325 (Human Anatomy) or Biology 2420 (Human Physiology).

### ASSIGNMENTS AND EXAMS

For students seeking good grades, a general rule of thumb for estimating your weekly time commitment in courses like Anatomy & Physiology, Pharmacology, Medical Terminology, etc. is to triple the classroom time and add those two values together. For example, most 4-credit campus courses meet for 3.5 hours per week. Multiplying that value times 3 equals 10.5 hours per week. And adding those two values together (3.5 + 10.5) equals 14 hours per week. Most students should therefore budget 14 hours per week of study time for doing well in this course (although some students will require less, and other students will require more).

1- **Chapter Modules:**
   a. Each chapter in the textbook is accompanied by a variety of assigned tasks (including narrated videos, interactive online activities, and chapter-specific study questions), all of which are described in the chapter-specific “To Do” lists shown on the Canvas portal’s “Modules” page. Students are expected to
complete all assigned tasks for each chapter, with most of those tasks being purely exam-prep in nature and therefore not needing to be turned in for grading. The only thing on the chapter task list that will be graded is the chapter quiz.

2- **Chapter quizzes:**
   a. There will be a quiz for each chapter that is “lectured”. Each quiz will have questions based on the information in that chapter. The chapter quizzes must be completed prior to the modules being closed. **Due to the length of time the chapter quizzes are available, once they close they will not be reopened for any reason.** You may take the Chapter quizzes anytime during the section that the chapter is covered. You will have a 15-minute time limit on each quiz; however you may attempt each quiz 2 times. The highest quiz score will be used when figuring your grade.
   b. The additional resources found on Navigate 2, will be of great benefit when preparing for the chapter quizzes. It is highly recommended to complete and utilize those resources prior to attempting the chapter quizzes.
   c. Chapter quizzes and online section exams will be combined to figure 70% of your final grade.

3- **Online Section Exams:**
   a. **All online exams will be administered through the Canvas learning portal.**
   b. There are 5 sectional exams during the semester - with the questions written in multiple-choice format. Each will cover 4-6 chapters per exam. While the exams are not proctored and you may use your text and notes, the exam does have a time limit. As such you will not have time to look up each question. You will run out of time if you do not prepare for this exam as though it were a closed book / note exam.
   c. Online Sectional Exams are available for 24 hours, from 12:00am through 11:59pm. Make sure you give yourself enough time to complete the exam before it is closed at 11:59pm.
   d. You may drop your lowest online section exam when figuring your final grade.
   e. **Important:** There are no “make-up exams”. **Circumstances, such as job conflicts, computer failures, Internet outages, forgotten schedules, and personal vacations are not valid reasons for missing an exam and will not be accepted. Exams will not be opened early for any reason.**
   f. Chapter quizzes and online exams will be combined to figure 70% of your final grade.

4- **Midterm and Final Exams**
   a. There will be a comprehensive midterm and final exam. You will come to a University testing center on the designated dates. You will have a window of 48 hours to take each exam.
   b. You will need to schedule a time to take these exams. Do this early in the semester.
c. Your midterm will cover chapters 1-9 and your final will cover chapters 10-24.
d. These exams are closed book / closed note exams.
e. You may not drop either of these exams. They are both required when figuring your final grade.
f. The midterm and final will be used to figure 30% of your final grade.
g. **Important:** There are no "make-up exams". Circumstances, such as job conflicts, computer failures, Internet outages, forgotten schedules, and personal vacations are not valid reasons for missing an exam and will not be accepted. Exams will not be opened early for any reason.

**GRADING POLICIES**
Chapter quizzes and the online exams will be combined to figure 70% of the student’s final grade. The midterm and final will count for 30% of the Final grade.

Use the following grading scale to determine your final grade.

95 - 100 = A  
90 - 94 = A-  
87 - 89 = B+  
84 - 86 = B  
80 - 83 = B-  
77 - 79 = C+  
73 - 76 = C  
70 - 73 = C-  
67 - 69 = D+  
64 - 66 = D  
60 – 63 = D-  
0 - 59 = E

**Schedule**

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Aug. 21</td>
<td>First day of class, course content available at 12:00am</td>
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<tr>
<td>Aug. 21 - Sept. 07</td>
<td>Section 1: Ch. 1, 3, 4, 5</td>
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<td>Sept. 08</td>
<td>Exam #1</td>
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<td>Sept. 11 – Sept. 28</td>
<td>Section 2: Ch. 6, 7, 8, 9</td>
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<td>Sept. 29</td>
<td>Exam #2</td>
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<td><strong>Oct. 5-6</strong></td>
<td><strong>Comprehensive Midterm Chapters 1-9</strong></td>
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<td>Oct. 02 – Oct. 26</td>
<td>Section 3: Ch. 10, 11, 12, 13, 14</td>
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<td>Oct. 27</td>
<td>Exam #3</td>
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<td>Oct. 30 – Nov. 16</td>
<td>Section 4: 15, 16, 17, 18</td>
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<td>Nov. 17</td>
<td>Exam #4</td>
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<td>Nov. 20 - Dec. 06</td>
<td>Section 5: 19, 20, 21, 22, 23, 24</td>
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<td>Dec. 07</td>
<td>Exam #5</td>
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<td><strong>Dec. 11-12</strong></td>
<td><strong>Comprehensive Final Chapters 10-24</strong></td>
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