

Health Sciences 2230

Introduction to Pathophysiology

Course Description

An introduction to the pathophysiologic disruptions of normal human body function. This course will emphasize disease mechanisms and the body's response to restore homeostasis. Units of study include foundational concepts of cellular injury, genetics, acid-base, electrolyte, and fluid balance and functional alterations of the immune, hematologic, nervous, endocrine, cardiovascular, respiratory, urinary, musculoskeletal, and reproductive systems. The HTHS 1110 and 1111, ZOOL 2200, or an equivalent human physiology course is required prior to taking HTHS 2230. THIS MEANS: Any student who has not taken a human physiology course should withdraw from this course. Taking a physiology class 10 years ago and earning a C is equivalent to not taking it.

Course Materials and Resources

Understanding Pathophysiology, fifth edition by Huether and McCance, Elsevier/Mosby Publishing

Pathophysiology Course Notes (2012 Edition), Chugg, Hutchins, and Newton, 2012, Wiley Custom Publishing

This book includes the learning objectives and lecture presentations for the course.

Supplemental Instruction (student-group tutor): Times for the SI instructor(s) will be posted as soon as possible.

HTHS 2231 - Introductory Pathophysiology Laboratory (1 credit): This laboratory course is not required for completion of the HTHS 2230 class. It is a separate course designed to reinforce key concepts presented in the 2230 course. Students completing an AS degree from the Department of Health Sciences are required to take this class. All other programs in the college do not require the lab for acceptance or program completion.

Student Responsibility

HTHS 2230 is a difficult course. To receive a quality grade, students should expect to spend a minimum of 12 or more hours per week studying outside of class. The 2230 student is individually responsible for, knowledge of, and compliance with all regulations, rules, procedures, and schedules. Failure to be informed or to comply will not excuse students from responsibility or from any penalty or difficulty encountered as a result of non-compliance.

Email Correspondence

To minimize confusion and time delay, students need to identify their class in the subject line of any emails they send to the professor. It is the department's policy that faculty will respond to students' emails within 2 business days.

Grading

Students can view their grades online by going to their online schedule through the eWeber portal or directly to [WSU Online](#). Students are encouraged to check their grade and scores regularly. Questions regarding posted scores should be addressed with the instructor as soon as possible.

The average grade in the 2230 class ranges from a B- to a C+. If a student does not want one of these grades, don't be average. For final grade determination, a student's final course percentage will be rounded to the nearest whole number. For example, if a student earns 92.5% of the points in the class, that is an A; 92.4 is and A-.

Department Policy: If a student disappears from the course and does not officially withdraw before the official withdrawal deadline, then the student will be given a UW (unauthorized withdrawal) at the conclusion of the semester. If a student continues taking exams past the withdrawal deadline, then they will get a grade between A and E using the grading scale, but with any missing exams or assignments factored in as zeroes.

There are no "extra credit" points available for this course, so do not ask. Any additional points awarded to students will be provided to the entire class. Points will not be given to individual students for any reason.

8 Unit Exams	800 Points
Comprehensive Final	100 Points
8 Pretests (open book)	40 Points
6 Journal Article Quizzes	60 Points
TOTAL	1000 Points

Grading Scale

A = 93-100%	A- = 90-92%	B+ = 86-89%	B = 83-85%	B- = 80-82%	C+ = 76-79%
C = 73-75%	C- = 70-72%	D+ = 66-69%	D = 63-65%	D- = 60-62%	E = <60%

Exams

There will be an examination following each of the eight units as well as a comprehensive final exam. Each unit examination consists of 50 multiple-choice questions. The examinations consist

of questions covering the learning objectives that are included in each unit of study. The best preparation for the examination is to know and study all of the learning objectives.

Unit exams can only be taken once, and they are not open-book. Students are not allowed to use course notes or any supplemental materials.

Department Policy: If a student knows that they will miss an examination, they may take it early. Exams are scheduled to allow students to complete the course during the period of one semester. It is the student's responsibility to refer to the course calendar and know the due dates for all exams. Students that miss the exam for any reason may take a late exam with a 10-point penalty. This exam must be taken no later than one week after the regular exam closing date. No exceptions. If the student does not make up the exam within this one-week time frame, the student will receive a score of zero (0) on the exam. Students are not allowed to take the unit 8 or final exams late because they fall at the end of the semester. A student is not required to notify the professor that they will be taking an exam during the late-exam period.

All exams should be taken at a [WSU Testing Center](#) or through a designated proctor. It is the student's responsibility to check testing center hours for available testing times and testing center policies. Summer semester hours for the testing centers will be different than the operating times during fall and spring semesters.

If the following section applies, do it right away.

If a student lives outside a 50-mile radius of the WSU-Ogden campus, then they may arrange for a proctored exam. See Testing Information under the Student Resources tab at [WSU Online](#).

Testing is computerized and a wildcat userID and password are required. Students MUST present photo ID (student activity card, driver's license, military ID, etc.) to receive any examination from a testing center. At the conclusion of each examination, a student's score will be immediately available, and they will be able to review the questions they have missed. Due to testing center traffic, this will be the only time a student will be able to review the exam.

Prerequisite Quiz and Unit Pretests

Chapter 1 in the text and study notes is a review of normal human physiology. Students must demonstrate their proficiency by passing (80%) a 20-question competency quiz. This quiz is available under the "quiz" link in the course. This quiz is open-book and students may take it as many times as they need to demonstrate competency. Failure to complete this quiz on time will limit a student's access to future course resources.

There is a 10-question (5 points) pretest/quiz for each unit of study. These pretests are open-book and are accessed by going to the course through WSU Online (Canvas). Pretests are available under the "quizzes" link. Once a unit of study is complete, the pretest/quiz for that unit will be unavailable. Don't take the "pre" out of "pretest". The unit pretests will not be extended for any reason.

Journal Article and Quizzes

Beginning with unit 3 and extending through the final six units of study, students will be asked to read a journal article and complete an online quiz related to the material. The articles are available on the online course under the “course modules” page. Quizzes are open-book and are completed by using Chitester from any available computer. A testing center is not required. The quizzes are 5 questions, 2 points each. Students will have two attempts at the quiz, and their highest score will be recorded. Completion dates for the article quizzes will not be extended for any reason.

Health Sciences Cheating Policy

WSU Health Sciences Department treats all instances of cheating with the utmost level of seriousness and recognizes all WSU students as adults pursuing their education, and as adults, students are considered responsible for their actions. Students are subject to the cheating policies, codes, definitions, and sanctions established by Weber State University ([PPM 6-22](#)), by the Ezekiel R. Dumke College of Health Professions, by other departments, and by the Health Sciences Department. The Health Sciences Department has full right to investigate any work given for credit if they suspect a cheating incident has occurred, usually emphasized by extensive test taking time, or any proctor (remote or local) concerns. Specific Health Sciences sanctions typically apply to cheating during a test or cheating on class assignments. For additional definitions of cheating by the Health Sciences Department standards, please see <http://www.weber.edu/HealthSciences/resources/cheating.html>.

Know, that the cheating policy will be enforced by the Department of Health Sciences and the University as follows:

1. Warning - If a student is suspected of cheating, a warning may or may not be given, in verbal or written form, to the student(s) that his or her conduct is in violation of Weber State University rules and regulations; and that the continuation of such conduct or actions may result in further disciplinary action.
2. Failure of the Course - A student found cheating will receive an "E" (failure) and no credit for the course will be given. In addition, a report of the student's name, class, behavior, action, and resulting disciplinary measures will be sent to the Dean of Students to be included in the University's database; and a report will be sent to the departments connected to the student(s) within the Dumke College of Health Professions and the University.

The simplest and best policy is DO NOT CHEAT! In the world of medicine and healthcare, there is no tolerance for unethical behavior of any kind. It is the Health Sciences Department goal to prepare students for work in the medical field. Therefore, the Department's treatment of unethical behavior is severe and will most likely limit students' chances of pursuing healthcare programs.

Cell Phones

It seems that cell phone technology is here to stay. It is a student's responsibility to shut their cell phone off or change the ringer so the class is not disturbed. Students answering their phones during class will be excused from the room. Also, don't text message during class.

Letters of Recommendation

Because the Health Sciences 2230 course is a prerequisite for many of the Dumke College of Health Professions programs, students often request a letter of recommendation from the instructor. If a student is not achieving a grade of B or higher in the course, their request for a letter will be denied.

Course Content Disclaimer

This is a health science course in which mention may be made of AIDS, birth control, teenage pregnancy, sexually transmitted diseases, and related issues. In addition, digital videos of medical surgical procedures may be used in which sex organs may be visible for brief periods of time. The health sciences department presents this type of information in a professional manner.

Student Services

Any student requiring accommodations or services due to a disability must contact [WSU Services for Students with Disabilities](#) (SSD) in Room 181 of the Student Services Center. SSD can also arrange to provide course materials (including this syllabus) in alternate formats if necessary.

Due Dates

Review the course calendar for exam and assignment due dates. Late work will not be accepted.