

Health Sciences 1120

Case Studies in Health Science

Course Description

HTHS 1120 is a WSU Online course designed to study the health sciences and health professions through medical case studies. The course focuses on patient case histories, the pathophysiology of the disease process, and the health professionals who work as a team to diagnose and treat disease.

The course revolves around medical case studies. Each case study focuses on a different disease and different body system. The case studies link to four main supporting pages: medical terminology, body systems, diagnostic testing, and health professions. Health profession links will explore the job description, educational requirements, compensation ranges, and future opportunities for each of the professions presented. Students in this course will also critically examine a medical ethics topic associated with each case study.

Learning Resources/Materials

1. Case Study Workbook by Kathryn Newton, Wiley & Sons Inc. publisher.
ISBN:9780470916339
2. World Wide Web links contained within the course

This course is accessed through [Canvas](#).

Course Learning Outcomes

The objectives for the course are as follows:

1. Review body system physiology as it relates to each case study.
2. Examine the disease processes presented in each case study and compare and contrast this to normal physiologic function.
3. Define the diagnostic testing associated with each case.
4. Define the medical terminology related to each case.
5. Describe the responsibilities and interdependence of the health professionals who work together to diagnose and treat diseases.
6. Critically argue the support positions of various medical ethic topics.

Content of Cases

- Integumentary System: Burn
- Musculoskeletal: ACL tear
- Nervous I: Multiple Sclerosis
- Nervous II: Meningitis

- Endocrine: Type 1 Diabetes
- Blood: Acute Lymphocytic Leukemia
- Cardiovascular: Myocardial Infarction
- Genetics: Hemophilia
- Respiratory: Asthma
- Digestive: Hepatitis A and B
- Renal: Acute Renal Failure
- Reproductive: Testicular Cancer

Discussions

One discussion question will accompany each case study. There are a total of 12 discussion questions, each worth 10 pts. There is no right or wrong answer to these questions; they are posed to discuss ethical issues. Discussion questions may be discussed as a group in the classroom or answered individually.

Pretests

A pretest for each case study can be found on Canvas. Pretests may be taken twice with the highest score recorded. Pretests are open book and are designed for review purposes. The pretests do not cover everything covered on the exam. Students should master the course objectives to be thoroughly prepared for the exams.

Testing

All exams should be taken at [WSU Testing Center](#). It is a student's responsibility to check testing center hours for available testing times and testing center policies.

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

Students living outside of Davis, Weber, or Morgan counties may qualify to set up a proctor to administer exams, rather than traveling to a Weber State testing center. Information for setting up a proctor can be found at [WSU online](#).

Concurrent enrollment exams are proctored by their high school faculty. No exams may be taken at home or away from a proctored setting.

There are 12 exams. Questions are taken from the case objectives and the interactive study questions that accompany each case. Test scores are straight percentages with a final grade reflecting a cumulative percentage. The module exams will consist of 25 questions, two points each.

***All exam questions are based on the objectives. Use the workbook, case materials and questions to study the course material as outlined in the objectives.

Late Exam Department Policy

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 calendar and know the due dates for all exams. Students that miss the exam for any reason may take a late exam with a 5 point penalty. This exam must be taken within one week of 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.

Case Study Workbook

The "Case Study Workbook" is a tool to help students master the material in each case study. Each chapter of the workbook corresponds to a case study. Each chapter includes:

1. Case Objectives (these can also be found accompanying each case study online).
2. Review of pertinent anatomy and physiology of the body system being discussed.
3. Clarification of other major points in the case study.
4. Case Questions. The case questions are found throughout the online case study and are printed in the workbook.
5. Discussion Questions. A sampling of discussion questions is given for the Concurrent Enrollment students. WSU Online students should participate in the discussion posted on the course.
6. Challenge Questions. Use these questions along with the review problems to help review material found in the case studies.

Grading

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|---------------------------------|-------------------|
| 12 Exams (50 points each) | 600 Points |
| 12 Discussions (10 points each) | 120 Points |
| 12 Pretests (5 points each) | 60 Points |
| TOTAL | 780 Points |

Grading Policy

In keeping with the grading policy of Weber State University, final course letter grades, based upon the total possible points, will be assigned to the following schedule:

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|-------------|-------------|-------------|------------|-------------|-------------|
| 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% |

Services for Students with Disabilities

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.

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.

Content Advisory

You are enrolled in a Health Sciences course in which mention may be made of AIDS, birth control, teenage pregnancy, sexually transmitted diseases and related issues. In addition, videos and other electronic media of medical surgical procedures may be used in which sex organs or

graphic injuries may be visible for brief periods of time. The Health Sciences department presents this type of information in a professional manner.