Health Sciences 1120
Case Studies in Health Science

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Learning Resources:
1. Case Study Workbook Third Edition by Kathryn Newton, Wiley & Sons
   Inc. publisher. ISBN:9781119179269
2. World Wide Web links contained within the course

This course is accessed through the Canvas platform at http: canvas.weber.edu

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 care 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.

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 disease.
6. Critically argue and support positions on various medical ethics 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 a WSU Testing Center. It is the student’s responsibility to check testing center hours for available testing times and testing center policies. (http://departments.weber.edu/testingcenter/hours.htm)

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 http://departments.weber.edu/ce/distancelearning/testing.aspx
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. **Students are not required to take a final for this course.**

***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.
   Case Questions. The case questions are found throughout the online case study and are printed in the workbook.
4. 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.**

**Grading:**

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<table>
<thead>
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<tbody>
<tr>
<td>12 Exams</td>
<td>50</td>
<td>600</td>
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<tr>
<td>12 Discussions</td>
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<tr>
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</tr>
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<td><strong>Total</strong></td>
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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:

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Descriptor</th>
<th>Grade Points</th>
<th>% of Total Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4.0</td>
<td>93-100%</td>
</tr>
<tr>
<td>A-</td>
<td>Excellent</td>
<td>3.7</td>
<td>90-92%</td>
</tr>
<tr>
<td>B+</td>
<td>Good</td>
<td>3.3</td>
<td>86-89%</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3.0</td>
<td>83-85%</td>
</tr>
<tr>
<td>B-</td>
<td>Good</td>
<td>2.7</td>
<td>80-82%</td>
</tr>
<tr>
<td>C+</td>
<td>Standard</td>
<td>2.3</td>
<td>76-79%</td>
</tr>
<tr>
<td>C</td>
<td>Standard</td>
<td>2.0</td>
<td>73-75%</td>
</tr>
<tr>
<td>C-</td>
<td>Standard</td>
<td>1.7</td>
<td>70-72%</td>
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<tr>
<td>D+</td>
<td>Substandard</td>
<td>1.3</td>
<td>66-69%</td>
</tr>
<tr>
<td>D</td>
<td>Substandard</td>
<td>1.0</td>
<td>63-65%</td>
</tr>
<tr>
<td>D-</td>
<td>Substandard</td>
<td>0.7</td>
<td>60-62%</td>
</tr>
<tr>
<td>E</td>
<td>Failure</td>
<td>0.0</td>
<td>Below 60%</td>
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Department Policy - UW/E

If a student stops participating in a Health Sciences course without officially withdrawing prior to the University’s established withdrawal deadline (50 business-days into a semester course), an unofficial withdrawal (UW) will be entered into the WSU Records System as that student’s grade. A student who continues to participate in a Health Sciences course past the withdrawal deadline will receive a grade between A and E using the grading scale and policies outlined in the syllabus for their registered course. Any missing exams and assignments will be factored in as zeroes.

Student Services: Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in Room 181 of the Student Services Center, [http://www.weber.edu/ssd](http://www.weber.edu/ssd). All materials are available in alternative formats if needed.

Letters of Recommendation: Because HTHS 1110 and 1111 courses are 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 B or higher grade in the course, his/her request for a letter will be denied.
**Services for Students with Disabilities**: Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in Room 181 of the Student Services Center, [http://www.weber.edu/ssd](http://www.weber.edu/ssd). SSD can also arrange to provide course materials (including this syllabus) in alternate formats if necessary.

**Health Science Cheating Policy**: Health Sciences students are subject to cheating policies, codes, definitions and sanctions established by Weber State University (PPM 6-22), by the Dr. Ezekiel R. Dumke College of Health Professions, by other departments and by the Health Sciences program. Specific Health Sciences sanctions that typically apply to cheating during test-taking or cheating on class assignments are listed below.

a. Cheating, this includes but is not limited to:

1. Copying from another student's test paper;
2. Copying from another student's assignment without faculty approval for collaboration;
3. Using materials, or inappropriate procedures, during a test not authorized by the person giving the test;
4. Collaborating with any other person during a test without faculty approval for collaboration;
5. Knowingly obtaining, using, buying, selling, voluntarily revealing, transporting, or soliciting in whole or in part the contents of any test without authorization of the appropriate official;
6. Bribing any other person to obtain any test;
7. Soliciting or receiving unauthorized information about any test;
8. Substituting for another student or permitting any other person to substitute of one to take a test.

b. **Plagiarism, which is the unacknowledged (uncited) use of any other person or group's ideas or work. This includes purchased or borrowed papers.**

c. Collusion, which is the unauthorized collaboration with another person in preparing work offered for credit.

d. Falsification, which is the intentional and unauthorized altering or inventing of any information or citation in an academic exercise, activity, or record-keeping process.

e. Giving, selling, or receiving unauthorized course or test information.
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f. Using any unauthorized resource or aid in the preparation or completion of any course work, exercise, or activity.

g. Infringing on the copyright law of the United States which prohibits the making of reproduction of copyrighted material except under certain specified conditions.

h. Falsifying clinical laboratory values and submitting as true "patient data."

i. Altering test response(s) after test is corrected and stating that altered response was actually misread by the faculty or staff reviewing the test responses.

The cheating policy will be enforced as:

1. Warning. A warning will be issued if the incident cannot be verified beyond a reasonable doubt. A warning is a verbal or written notice to a student that his or her conduct may be in violation of WSU rules and regulations and that the continuation of such conduct or actions may result in further disciplinary action.

2. Zero Score. A student found cheating one time will receive a zero ("0") score for that specific exam, assignment or grade. The grade may not be omitted from the class average. A report of the student's name, class, behavior and resulting disciplinary action will be submitted to the teacher and the Health Sciences Department. Any requests by the student for program reference letters will not be honored by Health Science faculty.

3. Failure of Course. A student found cheating two or more times will receive an “E” (failure) and no credits for the course. A report of the student's name, class, behavior and resulting disciplinary action will be sent to the programs within the Dumke College of Health Professions and the University.

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