

**MIDSTATE COLLEGE**  
411 W. Northmoor Road  
Peoria, IL 61614  
(309) 692-4092 (800) 251-4299  
(SUMMER 2019)

**COURSE:** AH 120

**CREDIT HOURS:** 4 quarter hours

**METHOD OF DELIVERY:** eLearning

**COURSE DESCRIPTION:**

This course is designed to introduce the student to basic human anatomy and the common diseases associated with each body system. Included are an overview of the anatomy of each body system, common symptoms and signs of disease, routine diagnostic tests, and common therapies associated with the system. The etiology of disease, common childhood diseases, genetic and developmental disorders, the effects of aging on the body, neoplasms, immune system diseases, and common mental health diseases and disorders are covered topics

**TEXT:** 1. THE HUMAN BODY IN HEALTH & DISEASE 7<sup>TH</sup> Edition

ISBN 978-0-323-402118

2. THE HUMAN BODY IN HEALTH & DISEASE STUDY GUIDE Prepared

by Linda Swisher

**AUTHOR:** Kevin Patton and Gary Thibodeau

**PUBLISHER:** ELSEVIER

**MATERIALS NEED FOR THIS COURSE: Hardware/Software and Equipment: Internet Connection.**

**REQUIREMENTS FOR COMPLETING THE COURSE:** Completion of assessment tools to the satisfaction of the instructor and standard departmental AH 120 exams. Department policy prohibits extra credit work. Required curriculum in all three learning domains (cognitive, psychomotor and affective) is listed under learning objectives and coded by assessment tool. T=test, W= worksheet, W\* = worksheet with work product. Required curriculum topics are followed by numerical mapping to Core Curriculum 2008.

**TOPICS TO BE COVERED:** Anatomy & physiology of all major body systems. Common pathology/diseases of all body systems including diagnostic/treatment modalities. Terminology related to anatomy and disease

**LEARNING OBJECTIVES:** Upon completion of this course, the student will be able to:

1. identify the organization of the body
  - a. Describe structural organization of the human body. 1.C.1
  - b. Identify body systems. 1.C.2
  - c. Describe body planes, directional terms, quadrants, and body cavities. 1.C.3
  - d. **List** major organs in each body system. 1.C.4
  - e. Identify the anatomical location of major organs in each body system 1.C.5
  - f. Compare body structure and function of the human body across the life span. 1.C.6
  - g. Describe the normal function of each body system 1.C.7
  - h. Identify common pathology related to each body system including signs, symptoms and etiology 1.C.8

**MIDSTATE GRADING SCALE:**

90 - 100	A
80 - 89	B
70 - 79	C
60 - 69	D
0 - 59	F

**MIDSTATE PLAGIARISM POLICY:**

Plagiarism is using another person's words, either by paraphrase or direct quotation, without giving credit to the author(s). Plagiarism can also consist of cutting and pasting material from electronic sources by submitting all or a portion of work for assignment credit. This includes papers, computer programs, music, sculptures, paintings, photographs, etc. authored by another person without explicitly citing the original source(s). These actions violate the trust and honesty expected in academic work. Plagiarism is strictly against the academic policy of Midstate College. Its seriousness requires a measured, forceful response which includes consequences for inappropriate and/or no citation.

In courses containing writing assignments, the College promotes the use of an electronic resource which compares the student's writing against previously submitted papers, journals, periodicals, books, and web pages. Students and instructors can use this service to reduce the incidence of plagiarism. This electronic resource has been found to conform to legal requirements for fair use and student confidentiality. It is able to provide a report to the student indicating the parts of the assignment that match.

### **Student Success:**

The Office of Student Success is available to students seeking tutoring for individual classes or who need assistance with writing assignments. Information is also available on test taking techniques, how to take notes, developing good study skills, etc. Contact Student Success at [studentsuccess@midstate.edu](mailto:studentsuccess@midstate.edu) (email).

### **Instructor Information**

**Julie Ladd (309)472-0290**

Office Hours: 5-6pm Thursday and arranged. Please call me if you need to set up a time to meet.

Phone: 309-692-4092 extension 2041; Cell number (309)472-0290 E- mail:

[jmladd@midstate.edu](mailto:jmladd@midstate.edu)

### **PLEASE READ:**

**Participation Requirements/Policies and Procedures: Please note that if you are not participating in the Thursday evening campus class 6pm – 9:20pm. You will need to do the material for that week on Joule the eLearning portion of the class. I will be on campus most Thursdays by 5pm. If I have no students by 6:30pm on Thursdays I will assume all students are completing their work in the online portion of this class.**

1. The policy for eLearning is that course materials are available to students at noon each Monday and that the students have until 7:59AM the following Monday morning to complete the previous week's material. However, Students are advised against waiting until the last minute or last day to submit their work for a variety of reasons. If you work on your eLearning course early in the week If you work on your eLearning course early in the week and experience computer problems, you have more time to find an alternate computer. Also, the discussion forums can be very beneficial learning tools in eLearning if utilized to their greatest potential. It is difficult to have an effective and meaningful "discussion" if no one posts until the last minute.
2. Please review the syllabus each week for the specific assignment. If modifications are made to the assignments, a note will be added to the Weekly Overview.
3. **All work is to be submitted on time, unless unusal circumstances occur.**
4. If you are unable to complete your assignments on time and wish to request an extension, you must request this BEFORE the Monday 7:59AM deadline with an appropriate excuse, stating the reason you need the extension. If you submit late work, your late assignment grade will drop 10%. Late work will not be accepted without prior approval from the instructor.
5. Students are required to make at least two meaningful discussion posts each week. Please refer to the Student eLearning Guide for more information. Attendance (online participation) is expected, not suggested. It is important that students not fall behind in class. Excessive absence will hurt your performance and your ability to pass this class.

6. Academic integrity is important at Midstate College, as stated in the catalog and student handbook. This not only includes prevention of cheating on exams and written research papers, but also discussion forum postings. Discussion postings must be in your own words.
7. **Academic dishonesty is never tolerated and will be referred to the Dean.**
8. The final exam **MUST** be completed. Failure to do so will result in failure of the course.

**METHOD OF EVALUATING STUDENT PERFORMANCE:**

Weekly Discussion 10pts each	120 points
10Quizes @ 50 points each	500 points
11 SUMMARIES @10pts each	500 points
MIDTERM	100 points
200 Disease Cards	1500 points
Comprehensive Final	<u>100 points</u>

Total points : 2820

All Disease cards due to me by week 11 this is a big assignment and counts towards 50% of your grade.

This Assignment will include:

The Disease Name:

The type of Physician you would see if you had this disease

The tests to diagnose the disease

The prognosis of the disease.

If you find other helpful information you wish to share please included this.

You will be graded on content and neatness.

This should be submitted in a neat professional manner.

\*\*\* you will lose points for misspelled words\*\*\*

**Methods of evaluating Student Performance: All assignments, quizzes discussions, summaries and the final examination must be completed. If all required elements are not done, the student will not pass the course. A course average of C or better is required to be considered passing for this course.**

**EXAMINATION INFORMATION:** Quizes and Final exam are matching, true/false, word bank, short list or answer, or multiple choice.

**INSTRUCTOR'S GRADING SCALE:**

90 - 100	A
80 - 89	B
70 - 79	C
60 - 69	D
0 - 59	F

\*\*\*\*\*NOTICE\*\*\*\*\*

PLEASE NOTE THAT EACH WEEK THERE WILL BE A QUIZ, DISCUSSION  
and WEEKLY SUMMARY

If you are participating in the classroom this will be done in class. If you are participating online this will be submitted through Joule.

**WEEK-BY-WEEK SCHEDULE**

<p>WEEK 1          JOULE          ONLINE          Please          include          Weekly          Discussion          and weekly          summary          and Quiz          Class room          Will be the          same          discussions          and          summaries          will be in          class.</p>	<p><b>Topic:</b> Orientation to class and syllabus; Anatomical &amp; physiological terms, levels of organization.</p> <p><b>Objectives:</b> Define anatomy and physiology</p> <ul style="list-style-type: none"> <li>Describe location of structures in human body</li> <li>Direction, regions, planes, positions, and cavities</li> <li>Locate serous membranes by name and relative organ</li> <li>Define homeostasis, negative and positive feedback</li> <li>List levels of organization</li> <li>Summarize functions of water in the body</li> <li>Describe organic molecules in the body</li> <li>Explain ATP</li> <li>Identify body systems and major organs</li> </ul> <p><b>In Class:</b></p> <ul style="list-style-type: none"> <li>• Read syllabus</li> <li>• Introductions</li> <li>• Complete pretest</li> <li>• Lecture Chapter 1, 2 and 3</li> </ul> <p><b>Assignment:</b></p> <ul style="list-style-type: none"> <li>• Read Chapters 1, 2 and 3 in text and overview</li> <li>• Summary</li> <li>• Quiz Chapter 1, 2 and 3</li> </ul>
<p>Week 2</p>	<p><b>Topics:</b> Chapter 4 Tissues</p> <ol style="list-style-type: none"> <li>1. Objectives: Explain how epithelial tissue is grouped according to shape and arrangement of cells.</li> <li>2. List and briefly discuss the major types of connective and muscle tissue.</li> <li>3. Discuss nervous tissue and list the three structural components of a neuron</li> </ol>

	<p>4. Describe how injured tissues regenerate in each of the four types of tissue</p> <p><b>In Class:</b></p> <ul style="list-style-type: none"> <li>• Lecture Chapter 4</li> </ul> <p><b>Assignment:</b></p> <ul style="list-style-type: none"> <li>• Read Chapter 4</li> <li>• Summary</li> <li>• Quiz Chapter 4</li> </ul>
<p>Week 3</p>	<p><b>Topics:</b> CHAPTER 5 Organ Systems</p> <p><b>Objectives:</b> Define words &amp; terms related to organ and organ systems.</p> <ol style="list-style-type: none"> <li>1. Identify and locate the major organs of the integumentary , skeletal, and muscular systems, and briefly describe their major functions.</li> <li>2. Identify and locate the major organs of the nervous, endocrine , and cardiovascular systems, and briefly describe their major functions.</li> <li>3. Identify and locate the major organs of the lymphatic and immune, respiratory, digestive and urinary systems, and briefly describe their major functions.</li> <li>4. Identify and locate the major organs and subdivisions of the male and female reproductive systems, and briefly describe their major functions.</li> <li>5. Describe the body as a whole, including listing the major organ systems of the body, discussing homeostasis, and applying organ system concepts.</li> <li>6. Describe current approaches to organ replacement.</li> </ol> <p><b>In Class:</b></p> <ul style="list-style-type: none"> <li>• Lecture Chapters 5</li> </ul> <p><b>Assignments:</b></p> <ul style="list-style-type: none"> <li>• Read Chapter 5</li> <li>• Summary</li> <li>• Quiz chapter 5</li> </ul>
<p>Week 4</p> <p>Chapter 6, 7 and 8</p>	<p><b>Topics:</b> Chapter 6 the Mechanisms of Disease</p> <p>Chapter 7 : Skin and Membranes</p> <p>Chapter 8: Skeletal System</p> <p><b>Objectives:</b> Chapter 7: Classify, compare the structure of, and give examples of each type of membrane.</p> <p>Cont.. Chapter 7: Describe the structure and function of the epidermis and dermis.</p> <p>List and briefly describe each accessory organ of the skin.</p>

	<p>List and describe major categories of skin disorders, and give examples of each.</p> <p>Describe burns and how to estimate the extent of a burn injury.</p> <p>List and briefly describe the three most common types of skin cancer.</p> <p><b>Assignments:</b></p> <ul style="list-style-type: none"> <li>• Read Chapter 6, 7 and 8</li> </ul> <ol style="list-style-type: none"> <li>1. Weekly summary Over the Chapter</li> <li>2. Quiz over chapter 6, 7 and 8</li> <li>3. Workbook pages 55, 59,60, 70, 71, 79, 80, 81</li> </ol>
Week 5	<p><b>Topics:</b> Chapter 9 Muscular System and Chapter 10 Nervous System</p> <p><b>Objectives:</b> Define selected terms related</p> <ul style="list-style-type: none"> <li>Identify muscle tissue</li> <li>Identify the structure and function of skeletal muscle</li> <li>Identify other body system movement</li> <li>identify on a model or diagram and give the function of the major muscles of the body.</li> <li>Name and describe the major disorders of skeletal muscles.</li> </ul> <p><b>OBJECTIVE CHAPTER 10</b></p> <ul style="list-style-type: none"> <li>• List organs and divisions of the nervous system and describe the generalized functions of the nervous system as a whole. (SEE OBJECTIVE LIST PAGE 248 text book)</li> </ul> <p>In Class:</p> <ul style="list-style-type: none"> <li>Lecture Chapter 9 and 10</li> </ul> <p><b>Assignments:</b></p> <ul style="list-style-type: none"> <li>• Read Chapters 9 and 10</li> <li>• Workbook chapter 9 pg 84 and 85</li> <li>• Workbook chapter 10 pg 107</li> <li>• Quiz chapter 9 and 10</li> </ul>
Week 6	<p><b>Topic: Chapter 11 Senses</b></p> <ul style="list-style-type: none"> <li>• Define words &amp; terms related</li> <li>• Classify sense organs as general or special and explain the basic differences between the two groups</li> <li>• Discuss general sense organs and functions</li> <li>• Describe visual, hearing, taste and smell disorders</li> </ul> <p>Assignment:</p> <ol style="list-style-type: none"> <li>1. Read chapter 11</li> <li>2. Summary chapter 11</li> <li>3. Workbook pages 114-117</li> </ol>

<p>Week 6 CONT.</p>	<p><b>Topic Chapter 12 Endocrine System</b></p> <ul style="list-style-type: none"> <li>• <b>Distinguish between the endocrine and exocrine glands</b></li> <li>• <b>Define the term hormone</b></li> <li>• <b>Identify the principle functions of each major endocrine hormone and describe the conditions that may result from hyosecretion or hypersecretion</b></li> <li>• <b>Explain how negative and positive feedback mechanisms regulate the secretion of endocrine hormones.</b></li> <li>• <b>Identify disorders of the endocrine system</b></li> </ul> <p><b>ASSIGNMENTS:</b></p> <ol style="list-style-type: none"> <li>1. <b>Read chapter 12</b></li> <li>2. <b>Summary chapter 12</b></li> <li>3. <b>Workbook pages 124-128</b></li> <li>4. <b>Quiz chapter 11 and 12</b></li> </ol>
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<p>Week 7</p>	<p><b>Topics:</b> Chapter 13 BLOOD , Chapter 14 HEART, Chapter 15 CIRCULATION OF BLOOD</p> <p><b>Objectives:</b> Define selected terms related</p> <p style="padding-left: 40px;">Identify respiratory &amp; digestive organs in a diagram</p> <p style="padding-left: 40px;">Identify common pathology of each body system</p> <p style="padding-left: 40px;">Analyze pathology as it relates to interaction of body systems</p> <p style="padding-left: 40px;">Relate current healthcare news related to anatomy and disease.</p> <p><b>Assignments:</b></p> <ul style="list-style-type: none"> <li>• Read Chapters 13, 14 and 15</li> <li>•</li> </ul>
<p>Week 8</p>	<p><b>Topics:</b> CHAPTER 16 Lymphatic System and Immunity CHAPTER 17 Respiratory System CHAPTER 18 Digestive System</p> <p><b>Objectives:</b> Define selected terms related</p> <p style="padding-left: 40px;">Identify urinary organs in a diagram</p> <p style="padding-left: 40px;">Identify common pathology of each body system</p> <p style="padding-left: 40px;">Analyze pathology as it relates to interaction of body Systems</p>
	<p><b>Topics:</b> CHAPTER 19, 20, 21, 22</p> <ul style="list-style-type: none"> <li>• 19 NUTRITION AND METABOLISM</li> <li>• 20 URINARY SYSTEM</li> <li>• 21 FLUID AND ELECTROLYTE BALANCE</li> </ul>

WEEK 9	<ul style="list-style-type: none"> <li>• 22 ACID-BASE BALANCE</li> </ul> <p><b>Objectives:</b> Define selected terms related See objectives pages 532, 554, 582 and 600 of your text book</p> <p><b>Assignment:</b></p> <ul style="list-style-type: none"> <li>• Read Chapters 19, 20, 21 AND 22</li> <li>• Summary of each chapter</li> <li>• Quiz includes questions over chapters 19, 20, 21, 22</li> <li>• Workbook 207-209, 215-216, 227-229 234-235</li> </ul>
WEEK 10	<p><b>TOPICS: Chapter 23, 24</b></p> <ul style="list-style-type: none"> <li>• 23 Reproductive Systems</li> <li>• 24 Growth Development and Aging</li> </ul> <p><b>Objectives:</b> Define selected terms related see other objectives pages 616 and 652 of the text book</p> <p><b>Assignments:</b></p> <ul style="list-style-type: none"> <li>• Read Chapters 23 and 24</li> <li>• Summary of each chapter</li> <li>• Quiz includes questions over chapters 23 and 24</li> <li>• Workbook pages 241-245 and 258-261</li> </ul> <p><b>Chapter 25: Genetics and Genetics Disease</b>  <b>Read chapter 25</b>  <b>Summary</b>  <b>NO Quiz</b>  <b>Study for Final exam</b></p>
WEEK 11	<p><b>All Disease cards (can be in the form of paper report) due to me by week 11 this is a big assignment and counts towards 50% of your grade.</b></p> <p><b>This Assignment will include:</b></p> <p><b>The Disease Name:</b></p> <p><b>The type of Physician you would see if you had this disease</b></p> <p><b>The tests to diagnose the disease</b></p> <p><b>The prognosis of the disease.</b></p> <p><b>If you find other helpful information you wish to share please included this.</b></p>



	<p style="text-align: center;"><b>WEEK 12 FINAL EXAM</b></p>
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