Midstate College 411 Northmoor Road, Peoria, IL 61614 (309) 692-4092 or (800) 251- 4299 Summer 2019

BIO 110 - Anatomy and Physiology I Lecture Credit Hours: 4 Quarter Hours

Method of Delivery: eLearning

• eLearning = To be considered in attendance for an eLearning course, the student must participate each week by submitting substantial, gradable work.

Course Description: This course is the first class in two semester series of Human Anatomy and Physiology. It will cover the introduction to the chemical basis of life, cells, and tissues; integumentary system; skeletal system; muscular system; nervous system; and endocrine system. The knowledge about fundamentals of anatomy and physiology will be used to discuss various medical concepts.

Textbook: Hole's Human Anatomy & Physiology, 14th Ed, with Connect 2 Semester Access Card

ISBN: 1259616371 from Midstate College Bookstore Authors: David Shier, Jackie Butler, and Ricki Lewis

Publisher: McGraw-Hill, 2016,

Students can contact the Midstate College Bookstore about using their financial aid to purchase the textbook and access code. The textbook can be purchased as an ebook or a 3-hole punched textbook version, which are more affordable options than buying the bound textbook. Students have the option to rent/buy a new (or used) textbook from other sources, but a CONNECT access code is required for the chapter questions and self-study resources.

Materials needed for this course:

- Textbook (buy the Connect e-book access code from the college bookstore, which is used to register to multiple BIO course sections if used within 540 days of activating the code)
- Microsoft Word, or another way, to save files as .doc, .docx, .rtf or .pdf files for homework
- Reliable internet Log into Midstate elearning for online homework and the egradebook
- Connect access code to the ebook)
- The college provides the student username and password for the BIO Midstate eLearning courses. Contact college's Technical Support for general computer issues and student

questions about using the Midstate eLearning course menu tabs.

Textbook Info

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Optional: Interested students can buy the 3- hole punched, loose leaf textbook version from McGraw-Hill Education by logging into the BIO Connect ebook website; look for the purchase menu tab under the textbook photo icon (right side of the web page) to buy with a credit card and have the item mailed directly to your address. Or rent/buy a new (or used) printed textbook from other sources.

How to obtain access to the Connect course textbook website:

View this tutorial link: <u>How to Register to Connect Tutorial</u>. Click on the "Next" menu tab under the web page. Contact the instructor about your textbook website registration questions.

The Connect access code is valid for 540 days (or 1.5 years) upon activation. Be sure to "Sign Out" (top right corner menu tab) of the Connect textbook website when you are registering for different Connect sections for the BIO courses. The college cannot resend, or reset, the Connect password.

Visit this website: <u>Use this BIO 110 Connect Lab registration link.</u>

- 1. First time users of the Connect access code: Go to the BIO 110 Connect registration link provided (use the above hyperlink) to create your new Connect ebook password.
- 2. Students who have a Connect BIO password from a previous BIO course: Use the same Connect password to register for the BIO 110 Connect (above hyperlink).
 - a. If you have logged into Connect before, then look for the "already registered" web page (under the "Welcome") to "Sign In" with your email and password as shown in slide #2 of the tutorial link above.
 - b. Use the "Sign Out" (top right corner menu tab) to register to another Connect BIO courses.
 - c. Use the "My Courses" (top right corner menu tab) to see your registered BIO courses.

d. Only students can reset their password to the Connect website.

Topics: Introduction to human anatomy and physiology, chemical basis of life, cells, cellular metabolism, tissues, integumentary system, skeletal system, joints of the skeletal system, muscular system, nervous system, endocrine system

Learning Objectives: Upon completion of this course, the student will be able to

- 1. Define homeostasis and explain how the body works to maintain a homeostatic environment.
- 2. Identify body parts and describe their relative location using correct terminology
- 3. Describe the basic concepts of matter, atoms, and molecules
- 4. Identify and describe the function of the parts of a cell
- 5. Describe tissues and parts of the integumentary system
- 6. Locate and identify important muscles, bones, and nerves
- 7. Identify and describe the function of important hormones
- 8. Use knowledge of the fundamentals of anatomy to discuss medical concepts.

Midstate Grading Scale:

•	90-100	Α
•	80-89	В
•	70-79	С
•	60-69	D
•	00-69	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. The Turnitin program 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 in Room 110 (in person); call (309) 692-4092, extension 1100 (phone); studentsuccess@midstate.edu (email).

Instructor Information: Sharon Lee-Bond

Office Hours: By appointment so email the instructor to meet at the campus

E-mail: sleebond@midstate.edu

Policies and Procedures:

- 1. All work is to be completed on time. <u>Unless otherwise note, late work will NOT be accepted without prior approval by the instructor</u>. This includes homework, papers, discussions, summaries, and exams. Discussion forums, assignment drop boxes, quizzes and exams will not be available after 7:59 a.m. Monday at the end of each week unless otherwise noted in the schedule below.
- 2. The policy for eLearning is that course materials are available to students at noon each Monday and that students have until 7:59 a.m. the following Monday morning to complete the material. Students are advised against waiting until the last minute or last day to submit their work.
- 3. Academic dishonesty is never tolerated and will be referred to the Dean.
- 4. If you don't understand instructions, ASK. Whenever you are unsure, ASK.

Participation Requirements:

Students are required to make at least one *meaningful* post to the weekly discussion forum each week in addition to the completion of weekly lab assignments. *Online class participation is required*. Class is like having a job. Excessive absence (2 or more weeks without participating) will hurt your performance and your ability to pass this class. In addition, students are expected to review other entries into the weekly discussion forum and *reply* to at least one other post. Students are responsible for keeping track of their own grades. Grades inquiries are at the instructor's discretion. Students submit their own work.

Methods of evaluating student performance

Students will be evaluated in this course through their answers to discussion questions, chapter homework, weekly summaries, quizzes, and exams.

Grading Scale: Total Required Points for Class = 1140

 $A = 1026 \text{ points or higher} \qquad 90 - 100\%$ $B = 912 - 1025 \text{ points} \qquad 80 - 89\%$ $C = 798 - 911 \text{ points} \qquad 70 - 79\%$ $D = 684 - 797 \text{ points} \qquad 60 - 69\%$ $F = 683 \text{ points and below} \qquad \text{Below } 60\%$

Schedule and Grade Specifications:

Week	Dates (Mon start unless otherwise stated)	Discussion	Summary	Homework (20 points	Chapter Quiz	Exam
	otherwise statedy			each)	Quiz	
	No MONDAY Day Campus					
1	Class Due to Orientation	10	10	20	10	
	May 20 – Tues May 28					
2	Tues May 28 – June 3	10	10	20	10	
3	June 3 – 10	10	10	20	10	
4	June 10 – 17	10	10	20	10	100
5	June 17 – 24	10	10	40	10	
6	June 24 – July 1	10	10	20	10	
7	July 1 – 8	10	10	20	10	100
8	July 8 – 15	10	10	20	10	
9	July 15 – 22	10	10	20	10	100
10	July 22 - 29	10	10	40	10	
11	July 29 – Aug 5	10	10	20	10	100
12	Aug 5 – Aug 11 SUN end date (by 12 noon midday)					150 (Final)

Total required points is 1140

Term Begins - Orientation......May 20 Monday

Evening Flex Classes...... May 20 Monday at 7: 30PM

Withdrawal Date Pass/Fail for "WP/WF" gradeJuly 20, Saturday

BIO 121 Lab Final Due Date...... Aug 11, Sunday before 12 noon

Discussion Forums: Topics and Question Information

The questions posed in the discussion forum are questions that require more thought. Although many of the questions do not have one correct answer, it is expected that students complete their chapter reading prior to making their initial post. Answers to questions that are either wrong or not supported will be graded appropriately. Students will be expected to post their answer prior to being able to review other responses. The discussion forum will not be available until 12:00pm on Monday (Day 1) of the week by logging into Midstate elearning.

Every week students are expected to participate as follows:

- Due <u>Friday 7: 59 am Central</u> Time (Day 5): post a meaningful response to the question posed. Points will be deducted if the opening discussion remarks are posted late.
- Due the following Monday 7: 59 AM (Day 7): respond to another student's posting. No further replies will be accepted after the Monday deadline.

Since the discussion forum will be closed weekly, any questions you have about information covered in the reading should be posted at the "Q and A café". This forum will not have a closed date.

Discussion question grading guidelines		
 Initial posting Answers the minimal requirements of the question without supporting evidence = 1 point Minimal posting with supporting evidence = 2 points Complete posting with supporting evidence (may include APA ref citation) = 3 points 	3 points	
Response to posting of a classmate • Posting the minimal requirements without supporting evidence = 1 point • Minimal posting with supporting evidence = 2 points • Complete posting with supporting evidence = 3 points	3 points	
Correct spelling in postings for the week		
Correct grammar in postings for the week		
Total points per weekly discussion		

Homework Information:

Homework questions will be assigned for chapters 1- 13. These questions should be answered in Microsoft Word and submitted as an attachment with the following naming convention:

LastName ChapterXHomework BIO 110. Example: Baker Ch 1 HW BIO 110

Chapter Homework: Students must complete and submit weekly chapter homework questions by the Monday 7: 59 AM due date. Students can choose one (1) of the following to earn 20 homework points:

- (1) Submit their typed answers to the assigned end of the chapter questions by downloading the chapter homework files from the weekly folders in the BIO 110 Midstate elearning course, or
- (2) Complete the chapter questions on the CONNECT website after registering with an access code.

The homework will help students to study for the chapter guizzes and comprehensive final exam.

Important for the end of the chapter question homework: Students are expected to paraphrase (reword, rephrase) about chapter facts learned <u>using their own words</u> and the relevant scientific terms (as needed) and not just copy directly from the textbook (or from other sources).

Weekly Chapter Summary Information:

The weekly summaries are 2-3 paragraphs describing info about each chapter learning objective (see the weekly schedule for the learning objectives in the course syllabus). Write using complete, coherent sentences without spelling errors. Just repeating the listed learning objectives and copypasting from the ebook (or other sources) will receive no homework points. Instead, paraphrase (reword, rephrase) the chapter facts using your own words and the relevant scientific terms (as needed). The last paragraph is your personal reflection so discuss two (2) chapter topics or concepts, which you found to be personally relevant or informative, and explain why. It is fine to use "I" and "we" in the personal reflection paragraph.

Summaries should be submitted as an attachment with the following naming convention: **LastName_WeekXSummary BIO110**. (Example: Baker_ Wk 1 Summary BIO 110) Weekly summaries are due on Mondays at 7:59 am in the Midstate elearning unless otherwise noted.

Weekly Summary Grading Guidelines			
Objectives			
 All objectives are fully addressed = 10 points Most objectives are addressed = 8 points Objectives are simply restated = 6 points Objectives are missing = 4 points The posting is minimal = 2 points Concepts Two concepts that are personally important are discussed in at least 3 sentences 	10 points		
 each = 5 points One concept is discussed or concepts are minimally discussed = 3 points Concept is minimal or insignificant = 1 point 	5 points		
 Spelling No spelling errors = 5 points 1 misspelled word = 4 points 2-3 misspelled words = 2 points More than 3 misspelled words = 0 points 	3 points		
 Grammar No grammar/mechanical errors = 5 points 1 grammar/mechanical error = 4 points 2-3 grammar/mechanical errors = 2 points More than 3 grammar/mechanical errors = 0 points 	2 points		
Total points per weekly summary			
Grade Points calculated to:			

Examination Information:

Examinations for this course will be a combination of multiple choice, short answer, and short essay. Although the exams are open book/note, preparation for the exam is expected. If you have to look up each answer, you will not have time to complete the exam as all exams will have a two hour time limit. When studying for the exams, focus your time on the material covered in the notes and homework. Students will not be able to save their work and come back to it, so be sure to start the exam when you have time that you can designate to taking it. If you forget to take an exam and DID NOT MAKE PRIOR ARRANGEMENTS, you will receive a zero.

Chapter topics and weekly homework are subject to change with advanced notification from the instructor so check your college email inbox on a weekly basis for possible class updates.

Week 1 Topics (May 20 – TUES May 28; Mon evening classes meet at 7: 30 pm)

Topics: Introduction to Human Anatomy and Physiology

Learning Objectives: At the completion of this week, students will be able to summarize the following:

- Define and explain anatomy and physiology
- Define homeostasis and explain its importance to survival
- Recognize the levels of organization in the body
- Identify body parts and describe their relative location using correct terminology

Assignments: Submit the online homework in the Midstate elearning course unless otherwise stated.

- Read and take notes of chapter 1 (and read about some success strategies on textbook pages 1

 8). Review the chapter 1 presentation materials in the week 1 folder in Midstate elearning.
- 2. Post an initial answer to the week 1 discussion question by Friday, 7: 59 am.
- 3. Respond to another student's post in the online discussion by Monday, 7:59 am.
- 4. Submit chapter 1 questions to the drop box as a Microsoft Word file in Midstate elearning, or complete the Connect Chapter 1 questions online, by Monday, 7:59 am.
- 5. Complete the chapter 1 quiz in the Midstate elearning week 1 folder by Monday, 7:59 am.

Weekly Chapter Summary Information (also see syllabus pages 7-8 for the grading rubric) Each student must submit a 2-3 paragraph summary to the dropbox link in Midstate elearning about each of the learning objectives for the assigned chapter. The final paragraph should include a discussion of at least two (2) topics that the student found to be most personally important and/or valuable from the week's course material – include what and why they were important. It is fine to use the word "I" or "we" in the personal reflection paragraph.

Week 2 Topics (TUES May 28 – June 3) Topics: Chemical Basis of Life

Learning Objectives: At the completion of this week, students will be able to summarize the following:

- Describe the basic concepts of matter, atoms, and molecules
- Describe isotopes
- Distinguish between the types of bonds
- Identify the type of chemical reaction
- Identify different types of compounds

- 1. Read and take notes of chapter 2. Review the chapter 2 presentation materials.
- 2. Post an initial answer to the week 2 discussion question by Friday, Day 5, 7: 59 am.
- 3. Respond to another student's post in the online discussion by Monday, 7:59 am
- 4. Submit chapter 2 questions to the drop box as a Microsoft Word file in Midstate elearning, or complete the Connect Chapter 2 questions online, by Monday, 7:59 am.
- 5. Complete the chapter 2 quiz in the week 2 folder by Monday 7: 59 am.

Week 3 Topics (June 3 – 10): Topic: Cells

Learning Objectives: At the completion of this week, students will be able to summarize the following:

- Identify and describe the function of the parts of a cell
- Describe the composition and function of the cell membrane
- Discuss movements into and out of the cell
- Know the process of mitosis

Assignments: Submit the online homework in the Midstate elearning course unless otherwise stated by Monday 7: 59 am.

- 1. Read and take notes of chapter 3. Review the chapter 3 presentation materials.
- 2. Post initial answer to the week 3 discussion question by Friday, Day 5, 7: 59 am.
- 3. Respond to another student's post in the online discussion by Monday, 7:59 am
- 4. Submit chapter 3 questions to the drop box as a Microsoft Word file in Midstate elearning, or complete the Connect Chapter 3 questions online, by Monday, 7:59 am.
- 5. Submit chapter 3 guiz in the week 3 folder.
- 6. Study for next week's Exam 1 (chapters 1, 2, 3, and 4)

Week 4 Topic (June 10 - 17): Topic: Cellular Metabolism

Learning Objectives: At the completion of this week, students will be able to summarize the following:

- Discuss the requirements and functions involved in cellular metabolism
- Know how metabolic reactions are controlled
- Describe the functions of enzymes
- Describe the relationship between ATP and energy
- Identify the processes involved in cellular respiration
- Know the function of nucleic acid

- 1. Read and take notes of chapter 4. Review the chapter 4 presentation materials.
- 2. Post an initial answer to the week 4 discussion question by Friday, 7: 59 am.
- 3. Respond to another student's post in the online discussion by Monday, 7:59 am.
- 4. Submit chapter 4 questions to the drop box as a Microsoft Word file in Midstate elearning, or complete the Connect Chapter 4 questions online, by Monday, 7:59 am.
- 5. Submit chapter 4 quiz.
- 6. Submit Exam 1 (chapters 1, 2, 3, and 4) in the week 4 folder.

Week 5 Topics (June 17 - 24): Tissues and Integumentary System (Two Chapters)

Learning Objectives: At the completion of this week, students will be able to summarize the following:

- Identify and describe the four types of tissues
- Determine type of tissue by function
- Know the function of skin
- Identify the parts of skin
- Know the structure and function of hair and nails
- Identify the result of burns
- Describe the effect of aging on the integumentary system

Assignments: Submit the online homework in the Midstate elearning course unless otherwise stated by Monday 7: 59 am.

- 1. Read and take notes of chapter 5 and chapter 6 a double chapter week.
- 2. Review the presentation for chapter 5 and chapter 6 materials.
- 3. Post an initial answer to the week 5 discussion question by Friday, Day 5, 7: 59 am.
- 4. Respond to other student's post in the online discussion by Monday, 7:59 am.
- 5. Submit chapters 5 and 6 homework to the dropbox links as separate Microsoft Word files. Or complete the Connect chapter questions for chapters 5 and 6 by Mon, 7: 59 am.
- 6. Complete the chapter 5/6 guiz in the week 5 folder.
- 7. Study for next week's Exam 2 (chapters 5, 6 and 7).

Week 6 Topic (June 24 – July 1): Skeletal System

Last Day to Drop Courses with a "W" grade is June 29, 2019 (Saturday)

Learning Objectives: At the completion of this week, students will be able to summarize the following:

- Describe the structures and functions of bones
- Know the number of bones in different parts of the body
- Identify the parts of a long bone
- Identify the bone descriptors
- Locate important bones
- Describe different types of fractures

- 1. Read and take notes of chapter 7. Review the presentation materials for chapter 7.
- 2. Post an initial answer to the week 6 discussion question by Friday, 7: 59 am.
- 3. Respond to another student's post in the online discussion by Monday, 7:59 am.
- 4. Submit chapter 7 questions to the drop box as a Microsoft Word file in Midstate elearning, or complete the Connect Chapter 7 questions online, by Monday, 7:59 am.
- 5. Submit chapter 7 quiz in the week 6 folder.

Week 7 Topic (July 1 - 8) Topics: Joints of the Skeletal System

Learning Objectives: At the completion of this week, students will be able to summarize the following:

- Describe the function of joints
- Identify the different types of joints
- Describe the structure of synovial joints
- Describe the different types of joints
- Describe joint movement

Assignments: Submit the online homework in the Midstate elearning course unless otherwise stated by Monday 7: 59 am.

- 1. Submit Exam 2 (Chapters 5, 6, and 7) by Monday, 7:59 am.
- 2. Read and take notes of chapter 8. Review the presentation materials for chapter 8.
- 3. Post an initial answer to the week 7 discussion question by Friday, 7: 59 am.
- 4. Respond to other students' posts in the weekly discussion by Monday, 7:59 am
- 5. Submit chapter 8 questions to the drop box as a Microsoft Word file in Midstate elearning, or complete the Connect Chapter 8 questions online, by Monday, 7:59 am.
- 6. Submit chapter 8 quiz in the week 7 folder.

Week 8 Topic (July 8 - 15): Topics: Muscular System

Last Day to Withdrawal with WP or WF is Saturday, July 20.

Learning Objectives: At the completion of this week, students will be able to summarize the following:

- Identify and describe types of muscles
- Identify the layers of tissue in muscle
- Describe muscle contraction
- Describe the relationship between energy and muscle contraction
- Discuss oxygen debt
- Identify and locate important muscles
- Describe muscle movement

- 1. Read and take notes of chapter 9. Review the presentation materials for chapter 9.
- 2. Post an initial answer to the week 8 discussion question by Friday 7: 59 am.
- 3. Respond to another student's post in the weekly discussion by Monday, 7:59 am.
- 1. Submit chapter 9 questions to the drop box as a Microsoft Word file in Midstate elearning, or complete the Connect Chapter 9 questions online, by Monday, 7:59 am.
- 4. Submit chapter 9 quiz in the week 8 folder.
- 5. Study for next week's Exam 3 (chapters 8, 9, and 10)

Week 9 Topic (July 15 - 22) Topics: Nervous System I (Basic Structure and Function)

Last Day to Withdrawal with WP or WF is Saturday, July 20.

Learning Objectives: At the completion of this week, students will be able to summarize the following:

- Describe the basic structure of nerves
- Identify the function of supporting cells
- Discuss the functional differences in neurons
- Discuss the role of synapses

- 1. Read and take notes of chapter 10. Review the presentation materials for chapter 10.
- 2. Post an initial answer to the week 9 discussion question by Friday, Day 5, 7: 59 am.
- 3. Respond to another student's post in the online discussion by Monday, 7:59 am
- 2. Submit chapter 10 questions to the drop box as a Microsoft Word file in Midstate elearning, or complete the Connect Chapter 10 questions online, by Monday, 7:59 am.
- 4. Complete the chapter 10 guiz in the week 9 folder.
- 5. Complete Exam 3 (Chapters 8, 9 and 10).

Week 10 Topics (Apr 30 Mon – May 7 Mon) - Two Chapter Week

Topics: Nervous System II (Divisions) & Nervous System III (Senses)

Learning Objectives: At the completion of this week, students will be able to summarize the following:

- Identify and describe the parts of the central nervous system
- Describe the functions of cerebrospinal fluid
- Discuss reflexes
- Identify the parts of the brain
- Identify the twelve cranial nerves
- Identify and locate major nerves
- Identify and describe sensory organs
- Describe general senses
- Describe the organs involved in taste, hearing, and sight

Assignments: Submit the online homework in the Midstate elearning course unless otherwise stated.

- 1. Read and take notes of chapter 11 and chapter 12.
- 3. Review the presentation materials for chapter 11 and chapter 12.
- 4. Post an initial answer to the week 10 discussion question by Friday, Day 5, 7: 59 am.
- 5. Respond to another student's posts in the weekly discussion by Monday, 7:59 am
- 6. Submit chapters 11 and 12 homework to the dropbox links as separate Microsoft Word files. Or complete the Connect chapter 11 and chapter 12 online questions by Monday 7: 59 am.
- 7. Submit the chapter 11/12 quiz in the week 10 folder by Monday, 7:59 am

Plan ahead! The final comprehensive exam is due Sunday, Aug 11, before 12 pm noon (midday).

Week 11 Topic (July 29 – Aug 5): Topics: Endocrine System

Learning Objectives: At the completion of this week, students will be able to summarize the following:

- Differentiate between endocrine glands and exocrine glands
- Identify the function of major hormones
- Know the function and role of organs involved in hormone production
- Know the effect of stress on the human body
- Describe the affect aging on the endocrine system

Assignments: Submit the online homework in the Midstate elearning course unless otherwise stated by Monday 7: 59 am.

- 1. Read and take notes of chapter 13. Review the presentation materials for chapter 13.
- 2. Post an initial answer to the week 11 discussion question by Friday, Day 5, 7: 59 am.
- 3. Respond to another student's post in the online discussion by Monday, 7:59 am.
- 4. Complete the chapter 13 questions to the drop box as a Microsoft Word file in Midstate elearning, or complete the Connect Chapter 10 questions online, by Monday, 7:59 am
- 5. Submit chapter 13 quiz in the week 11 folder.
- 6. Submit Exam 4 (Chapters 11, 12, and 13).
- 7. Study for the comprehensive final exam. Download the final exam review handout.

Week 12 Topic (Aug 5 – Aug 11 SUNDAY by 12 noon midday) Final Comprehensive Examination

Learning Objectives: At the completion of this week (and for the course), students will be able to:

- Define homeostasis and explain how the body works to maintain a homeostatic environment
- Identify body parts and describe their relative location using correct terminology
- Describe the basic concepts of matter, atoms, and molecules
- Identify and describe the function of the parts of a cell
- Describe tissues and parts of the integumentary system
- Locate and identify important muscles, bones, and nerves
- Identify and describe the function of important hormones
- Identify the structures and describe the functions of the nervous and sensory system
- Use knowledge of the fundamentals of anatomy to discuss medical concepts

Assignments in the Midstate elearning course (week 12 folder):

- 1. Complete Final Examination by 12 o'clock NOON SUNDAY, Sun Aug~11, 2019 (Central Time)
- 2. Complete Course Evaluation by 12 o'clock NOON SUNDAY, Sun Aug 11, 2019 (Central Time)