



CLASS NUMBER AND NAME:	MDN150 ANATOMY AND PHYSIOLOGY I	
TOTAL HOURS/UNITS:	24 HOURS	2 UNITS
PREREQUISITES:	Completion or concurrent enrollment in MDN161B Medical Terminology II.	
TEXTS AND MATERIALS:	<u>Anatomy &amp; Physiology</u> , Fourth edition, Donald Rizzo, Cengage, 2016 (ISBN 9781285174150) Study guide (by instructor) E-Library and Internet	
CLASS DESCRIPTION:	A study of the basic structures and functions of the body and many of the diseases that may affect it. The student will study structural organization of the body, digestive system, urinary system, female and male reproductive systems, and the nervous system with emphasis on the medical terms relating to these systems.	
CLASS OBJECTIVES:	To name the organs of the system and describe their functions and locations.  To give the meaning of various pathological conditions affecting each system.  To recognize the use and interpretation of some diagnostic tests, clinical procedures, and laboratory tests, that is applicable to each system.	
CLASS FORMAT OVERVIEW:	Anatomy and Physiology is divided into three parts. The student may start with any part, i.e.; the parts do not necessarily have to be taken in order. (A&P I does not have to be taken before A&P II, etc.)	
METHODS OF INSTRUCTION:	As lecture is used as the principal means of instruction; it will be expected that all students will be present every day. The student is expected to read the chapters as well as attend the lecture.  The instructor provides student study guides for each system and instructive videos may be shown.	

CLASS ATTENDANCE:

It is expected that each student will be in class when class begins. Should the student come in later than five minutes after class begins, he or she should be certain that the instructor has noted his or her presence in class. It will then be up to the instructor to decide if the student had arrived in time to be counted as present – the instructor’s decision will be final.

It will be the student’s responsibility to learn of any assignments given in class when absent.

80% attendance is mandatory;

90% or above is mandatory for all those who are in a full program and qualify for externship.

TESTING:

Quizzes are given throughout each section at the instructor’s discretion and cannot be made-up.

The student must complete all tests and final with a passing grade (60% or better). Tests on diagrams must be passed with 75% or better accuracy.

Tests are given at the end of each chapter or two and a final is given at the end of each part.

There are no retakes of medical tests.

LATE TESTING:

**A 10 PERCENT PENALTY WILL BE ISSUED FOR ALL LATE TESTS.** If you are not present the day of the test and have not made arrangements with the instructor to take the test early, you will automatically be given the 10 percent penalty. (Late tests start with a “B” or, minus 10 percent). **Late homework will receive 1% off the final grade per class period that it is late.**

GRADING POLICIES:

Each student is graded on the cumulative point system as follows:

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

The final letter grade is based on the cumulative point score of each student at the end of the course. **IF A STUDENT FAILS TO TAKE A TEST DURING THE MODULE, THE CLASS GRADE WILL BE LOWERED BY ONE LETTER GRADE.**

ANTICIPATED LEARNING  
OUTCOMES:

Upon completing this course, the student will be able to:

1. Identify basic cellular structure
2. Explain basic structural levels of organization.
3. Identify body planes, anatomical positions, and directional terms.
4. Digestive System:
  - a) Name the digestive tract from superior to inferior.
  - b) Recognize the functions associated with these structures.
  - c) Recognize common pathological conditions.
5. Urinary System:
  - a) Identify the basic levels of anatomical structure and function.
  - b) Define common pathological conditions and various lab tests.
6. Reproductive System:
  - a) Identify the basic levels of anatomical structure and function for both male and female reproductive.
  - b) Define pathological conditions including sexually transmitted diseases.
  - c) Learn some basic obstetrics and genetic terms and conditions.
7. Nervous System:
  - a) Identify the basic levels of anatomical structure and function for the central and peripheral nervous system.
  - b) Recognize common pathological conditions.
8. Define related medical terminology.

## MDN150 Anatomy and Physiology I - Weekly Schedule

Week	Monday	Tuesday	Wednesday	Thursday
1	<b>Introduction and READ: Chapter 1 &amp; Chapter 3 plus page 62; Introduction to Cellular Metabolism</b>	<b>CELLS Read Study Guide and chapter readings</b>	<b>TEST: Cells  HOMEWORK DUE</b>	<b>READ: Chapter 16 Digestive System</b>
2	<b>Digestive System Read Study Guide and chapter readings</b>	<b>Digestive System Lecture and Review throughout Lecture</b>	<b>Digestive System Lecture and Review throughout Lecture</b>	<b>Digestive System Lecture and Review throughout Lecture</b>
3	<b>TEST: Digestive System  HOMEWORK DUE</b>	<b>Chapter 18 Urinary System</b>	<b>Urinary System Read Study Guide and chapter readings</b>	<b>Urinary System Lecture and Review throughout Lecture</b>
4	<b>TEST: Urinary System  HOMEWORK DUE</b>	<b>READ: Chapter 19 Male/Female Reproductive</b>	<b>Male/Female Reproductive Read Study Guide and Chapter readings</b>	<b>Male/Female Reproductive Lecture and Review throughout Lecture</b>
5	<b>TEST: Male/Female Reproductive System HOMEWORK DUE</b>	<b>Nervous System READ: Chapter 10 &amp; Chapter 11: pages 250-260, 269-274 &amp; page 314: 1<sup>st</sup> paragraph</b>	<b>Nervous System Lecture and review throughout lecture</b>	<b>Nervous System Lecture and review throughout lecture</b>
6	<b>Nervous System Lecture and review throughout lecture</b>	<b>Nervous System and Final Review</b>	<b>FINAL EXAM HOMEWORK DUE</b>	<b>Final exam con't Late Testing For Final</b>

**This is an approximate schedule and is subject to change at the instructor's discretion. The student is responsible for any missed information and handouts due to absences. Homework includes familiarizing yourself to the Calendar and Syllabus, textbook reading assignments, and study guide homework plus diagrams, flashcards, and practice tests all when appropriate to augment learning. The time spent in preparation for or reflection on course lecture will approximate two hours outside of class for each lecture credit hour utilized by the instructor in delivery of the materials and ¼ hour outside of class for each hour of structured lab time.**