



NAT150 Introduction to Anatomy and Physiology

(3 credit hours)

Course Syllabus

Course Description

This course will provide students with an introduction to the structure and function of each body system. The most common diseases and disorders are explored to understand the physician's diagnosis and treatment. Correct spelling of corresponding terminology is emphasized.

Course Learning Outcomes

By the end of this course, you will be able to:

1. Identify and discuss the major anatomical and physiological features of cells and tissues.
2. Investigate both normal and abnormal structures of the integumentary system, skeletal system, muscular system, nervous system, endocrine system, circulatory system, lymphatic system, respiratory system, digestive system, urinary system, and the reproductive system.
3. Examine and analyze the function of the complex, healthy human organism.
4. Compare and contrast a variety of diseases that impact the human body.
5. Interpret the concept of homeostasis.

Required Textbook(s) and Resources

Longenbaker, S. N. Mader's understanding: Human anatomy & physiology. (10th edition) McGraw-Hill Companies, Inc.

Note: this course may contain additional resources for specific activities or modules. Be sure to read the instructions carefully for individual assignments or activities for those requirements. Where applicable, Tiffin University has obtained permission to use copyrighted material.

Be sure to also review the weekly **Explore** sections for additional library or web resources. For access to databases, research help, and writing tips, visit the [Tiffin University Library](#).

Time Commitment

Effective time management is possibly the single most critical element to your academic success. To do well in this online class you should plan your time wisely to maximize your learning through the completion of readings, discussions, and assignments.

Because of our accelerated, seven-week term, TU online courses are designed with the expectation that you dedicate a little over **six (6)** hours per credit hour to course activities and preparation **each week**. For example, for successful completion of a three-credit, seven-week online course you should reserve roughly **twenty (20) hours per week**.

To help you plan your time and keep you on track toward successful completion, this course maintains a distinctive rhythm for assignment due dates:

1. All times assume Eastern Time (GMT-4).
2. Weeks begin at 12:00 a.m. ET on Monday and end at 11:55 p.m. ET on Sunday.
3. Unless otherwise noted, initial assignments or discussion posts are due by **11:55 p.m. ET on Wednesdays**.
4. Additional assignments or follow-up discussion posts are due by **11:55 p.m. ET on Saturdays, and**
5. Major assignments and reflections are typically due by **11:55 p.m. ET on Sundays**.

Learning Activities

Each week is broken down into the learning activities. Each unit will have textbook reading and presentations, SmartBook questions, discussion forums assessments (Weeks *1, 2, 4, and 6) and project submissions (Weeks 3, 5 and 7). The course is designed for you to learn the basic elements of our body's structures and functions as well as associated pathologies. These assignments will guide and help prepare you for your future career as you enrich your knowledge and work towards these goals.

Grading

The chart below identifies the individual contributions from each type of activity, per module.

Activity	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Total
Discussion	20	20	20	20	20	20	20	140
Assignment	60	60	60	40	40	40	40	340
Project	n/a	n/a	n/a	5	n/a	n/a	n/a	5

Activity	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Total
Quiz	n/a	n/a	50	n/a	50	n/a	55	155
Assessment	90	90	n/a	90	n/a	90	n/a	360
Total	170	170	130	155	110	150	115	1000

Grading Scale

A: 90-100% | B: 80-89% | C: 70-79% | D: 60-69% | F: <60%

NAT150: Schedule and Weekly Checklist

Topic	Learning Activities (Due by 11:55 p.m. ET on day designated)
Start Here (Getting Started...)	<input type="checkbox"/> MON: Syllabus Review <input type="checkbox"/> MON: Class Introduction (Forum) <input type="checkbox"/> MON: Keys to Success <input type="checkbox"/> MON: Visit the Communications Center
Week 1: Cells & Tissues (Chapters 1, 3, & 4)	<input type="checkbox"/> WED: Initial Post-Homeostasis & Disease (Forum) <input type="checkbox"/> SAT: Second Post-Homeostasis & Disease (Forum) <input type="checkbox"/> SAT: Smartbook Chapter 1 <input type="checkbox"/> SAT: Smartbook Chapter 3 <input type="checkbox"/> SAT: Smartbook Chapter 4 <input type="checkbox"/> SUN: Assessment Week 1
Week 2: Integumentary, Skeletal, & Muscular Systems (Chapters 5, 6, & 7)	<input type="checkbox"/> WED: Initial Post-Impacts of Exercise (Forum) <input type="checkbox"/> SAT: Second Post-Impacts of Exercise (Forum) <input type="checkbox"/> SAT: Smartbook Chapter 5 <input type="checkbox"/> SAT: Smartbook Chapter 6 <input type="checkbox"/> SAT: Smartbook Chapter 7 <input type="checkbox"/> SUN: Assessment Week 2
Week 3: Nervous, Sensory, & Endocrine Systems	<input type="checkbox"/> WED: Initial Post-Neuropathy (Forum) <input type="checkbox"/> SAT: Second Post-Neuropathy (Forum) <input type="checkbox"/> SAT: Smartbook Chapter 8

Topic	Learning Activities (Due by 11:55 p.m. ET on day designated)
(Chapters 8, 9, & 10)	<ul style="list-style-type: none"> <input type="checkbox"/> SAT: Smartbook Chapter 9 <input type="checkbox"/> SAT: Smartbook Chapter 10 <input type="checkbox"/> SUN: Final Project Phase 1: Wellness Seminar
<p style="text-align: center;">Week 4: Blood and the Cardiovascular System (Chapters 11 & 12)</p>	<ul style="list-style-type: none"> <input type="checkbox"/> WED: Initial Post-Mitral Valve Prolapse (MVP) (Forum) <input type="checkbox"/> SAT: Second Post--Mitral Valve Prolapse (MVP) (Forum) <input type="checkbox"/> SAT: Smartbook Chapter 11 <input type="checkbox"/> SAT: Smartbook Chapter 12 <input type="checkbox"/> SUN: Assessment Week 2 <input type="checkbox"/> SUN: Week 4 Feedback Survey
<p style="text-align: center;">Week 5: The Lymphatic and Respiratory Systems (Chapters 13 & 14)</p>	<ul style="list-style-type: none"> <input type="checkbox"/> WED: Initial Post-Contrasting SIDS and IRDS (Forum) <input type="checkbox"/> SAT: Second Post-Contrasting SIDS and IRDS (Forum) <input type="checkbox"/> SAT: Smartbook Chapter 13 <input type="checkbox"/> SAT: Smartbook Chapter 14 <input type="checkbox"/> SUN: Final Project Phase 2: Wellness Seminar
<p style="text-align: center;">Week 6: Digestive System and Urinary System & Excretion (Chapters 15 & 16)</p>	<ul style="list-style-type: none"> <input type="checkbox"/> WED: Initial Post-Impacts of What You Eat (Forum) <input type="checkbox"/> SAT: Second Post-Impacts of What You (Forum) <input type="checkbox"/> SAT: Smartbook Chapter 15 <input type="checkbox"/> SAT: Smartbook Chapter 16 <input type="checkbox"/> SUN: Assessment Week 6
<p style="text-align: center;">Week 7: Human Reproduction & Genetics (Chapters 17 & 19)</p> <p>*Note: Smartbook and Final Project submissions are due by Thursday this week!</p>	<ul style="list-style-type: none"> <input type="checkbox"/> WED: Initial Post-Sexually Transmitted Disease & Genetic Mutation (Forum) <input type="checkbox"/> *TH: Smartbook Chapter 17 <input type="checkbox"/> *TH: Smartbook Chapter 19 <input type="checkbox"/> *TH: Final Project Phase 3: Wellness Seminar <input type="checkbox"/> SAT: Second Post-Sexually Transmitted Disease & Genetic Mutation (Forum) <input type="checkbox"/> SUN: TU Course Evaluation

Tips for Success

Successful online learning requires a good deal of self-discipline and self-direction. As seekers of the truth, we should be willing to challenge and review one another's academic work in a spirit of respectful comradery and constructiveness. You should accept constructive feedback as a gift. Your course is a place for you to stretch and grow as you benefit from the expertise, knowledge, experience and diverse perspectives of your instructor and peers. Constructive feedback will challenge you to stretch your own thinking, thereby expanding your knowledge, understanding and application.

To get the most out of your learning experience, you should actively engage (participate) in **ALL** course activities. Course elements in any given week are arranged chronologically. To complete a week, simply work your way "down the page" through all of the course materials and activities.

For More Information:

Be sure to review the [Support, Policies, and Procedures](#) addendum.