

TEMA 1040 - Anatomy & Physiology (4 Credits)

Course Description

The Anatomy and Physiology course is designed to familiarize the student with the plan and structure of the human body, its function under normal, healthy conditions, and an introduction to the body's response to illness and disease. Instruction covers an overview of all organ systems, including diagnostic treatment modalities. Medical terms as they relate to the body and correct spelling and pronunciation are taught.

Course Objectives

- Locate and label major organs and structures in the body systems.
 - Identify and state the function of the major anatomical components of the human body.
 - Describe common disorders associated with each major anatomical component.
 - Identify common pathology related to each body system.
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Course Outline

- Anatomic Descriptors and Body Structure - A&P
- Anatomic Descriptors and Body Structure - HD
- Nervous, Senses, and Integumentary - A&P
- Nervous, Senses, and Integumentary - HD
- Musculoskeletal - A&P
- Musculoskeletal - HD
- Respiratory and Circulatory - A&P
- Respiratory and Circulatory - HD
- Lymphatic, Digestive, and Urinary - A&P
- Lymphatic, Digestive, and Urinary - HD
- Endocrine and Reproductive - A&P
- Endocrine and Reproductive - HD

Assignments and Assessments

Welcome
Orientation
Syllabus and Course Agreement
Disease Cards Instructions
Course Timeline
Read: Chapter 6 Anatomic Descriptors and Fundamental Body Structure
PowerPoints: Chapter 6 Anatomic Descriptors and Fundamental Body Structure
Introduction to Anatomy & Physiology: Crash Course Video
Anatomic Descriptors and Body Structure Worksheet
Check Your Understanding: Chapter 6 Anatomic Descriptors and Fundamental Body Structure
Learning Lab: Anatomic Descriptors and Fundamental Body Structures (Chapter 6 Anatomic Descriptors and Fundamental Body Structure)
Tissues: Crash Course Videos
Genetic Research
Video Quiz: Anatomy of a Typical Cell (Chapter 6 Anatomic Descriptors and Fundamental Body Structure)
Quiz: Chapter 6 Anatomic Descriptors and Fundamental Body Structure
Anatomic Descriptors and Body Structures Disease Cards
Flashcards: Chapter 6 Anatomic Descriptors and Fundamental Body Structure
Anatomic Descriptors and Fundamental Body Structure Exam - Requires Respondus LockDown Browser+ Webcam
Check point meeting- Module 1
Read: Chapter 7 The Nervous System
PowerPoints: Chapter 7 The Nervous System
Nervous System: Crash Course Videos
Nervous System Worksheet
Check Your Understanding: Chapter 7 The Nervous System
Labeling: The Brain (Chapter 7 The Nervous System)
Neurologic research
Video Quiz: The Nervous System (Chapter 7 The Nervous System)
Quiz: Chapter 7 The Nervous System
Flashcards: Chapter 7 The Nervous System
Nervous System Exam - Requires Respondus LockDown Browser+ Webcam
Read: Chapter 8 The Senses
PowerPoints: Chapter 8 The Senses
Senses: Crash Course Videos
Senses worksheet
Check Your Understanding: Chapter 8 The Senses
Labeling: The Eye (Chapter 8 The Senses)
Labeling: The Ear (Chapter 8 The Senses)
Blind and Deaf Experience
Video Quiz: The Process of Vision (Chapter 8 The Senses)

Quiz: Chapter 8 The Senses
Flashcards: Chapter 8 The Senses
Senses Exam - Requires Respondus LockDown Browser+ Webcam
Read: Chapter 9 The Integumentary System
PowerPoints: Chapter 9 The Integumentary System
Integumentary System: Crash Course Videos
Integumentary System Worksheet
Check Your Understanding: Chapter 9 The Integumentary System
Learning Lab: Nervous, Sensory, and Integumentary Systems (Chapter 9 The Integumentary System)
Skin lesions
Video Quiz: The Skin (Chapter 9 The Integumentary System)
Quiz: Chapter 9 The Integumentary System
Nervous, Senses, and Integumentary Disease Cards
Flashcards: Chapter 9 The Integumentary System
Integumentary System Exam - Requires Respondus LockDown Browser+ Webcam
Check point meeting- Module 2
Read: Chapter 10 The Skeletal System
PowerPoints: Chapter 10 The Skeletal System
Skeletal System: Crash Course Videos
Skeletal Worksheet
Check Your Understanding: Chapter 10 The Skeletal System
Labeling: The Skull (Chapter 10 The Skeletal System)
Fractures
Video Quiz: Curvatures of the Spine (Chapter 10 The Skeletal System)
Quiz: Chapter 10 The Skeletal System
Flashcards: Chapter 10 The Skeletal System
Skeletal System Exam - Requires Respondus LockDown Browser + Webcam
Read: Chapter 11 The Muscular System
PowerPoints: Chapter 11 The Muscular System
Muscular System: Crash Course Videos
Muscular Worksheet
Check Your Understanding: Chapter 11 The Muscular System
Learning Lab: Skeletal and Muscular Systems (Chapter 11 The Muscular System)
Video Quiz: Types of Muscle Tissue (Chapter 11 The Muscular System)
Quiz: Chapter 11 The Muscular System
Musculoskeletal Disease Cards
Flashcards: Chapter 11 The Muscular System
Muscular System Exam - Requires Respondus LockDown Browser+ Webcam
Check point meeting- Module 3
Read: Chapter 12 The Respiratory System
PowerPoints: Chapter 12 The Respiratory System
Respiratory System: Crash Course Videos
Respiratory Worksheet
Check Your Understanding: Chapter 12 The Respiratory

System
 Labeling: The Lungs (Chapter 12 The Respiratory System)
 Lung Sounds
 Video Quiz: Respiration (Chapter 12 The Respiratory System)
 Quiz: Chapter 12 The Respiratory System
 Flashcards: Chapter 12 The Respiratory System
 Respiratory System Exam - Requires Respondus LockDown
 Browser+ Webcam
 Read: Chapter 13 The Circulatory System
 PowerPoints: Chapter 13 The Circulatory System
 The Heart: Crash Course Videos
 Circulatory Worksheet
 Check Your Understanding: Chapter 13 The Circulatory
 System
 Circulatory System Drawing
 Blood Typing
 Learning Lab: Respiratory and Circulatory Systems (Chapter
 13 The Circulatory System)
 Video Quiz: Conduction System of the Heart (Chapter 13 The
 Circulatory System)
 Blood: Crash Course Videos
 Quiz: Chapter 13 The Circulatory System
 Respiratory and Circulatory Disease Cards
 Flashcards: 13 The Circulatory System
 Circulatory System Exam - Requires Respondus LockDown
 Browser+ Webcam
 Check point meeting- Module 4
 Read: Chapter 14 The Lymphatic/Immune System
 PowerPoints: Chapter 14 The Lymphatic/Immune System
 Lymphatic System: Crash Course Video
 Lymphatic/Immune Worksheet
 Check Your Understanding: Chapter 14 The Lymphatic &
 Immune System
 Lymph capillary
 Labeling: Organs of the Immune System (Chapter 14: The
 Lymphatic & Immune System)
 Immune System: Crash Course Videos
 Allergy Research
 Video Quiz: Cancer Metastasizing (Chapter 14 The Lymphatic
 & Immune System)
 Quiz: Chapter 14 The Lymphatic & Immune System
 Flashcards: Chapter 14 The Lymphatic/Immune System
 Lymphatic/Immune System Exam - Requires Respondus
 LockDown Browser + Webcam
 Read: Chapter 15 The Digestive System
 PowerPoints: Chapter 15 The Digestive System
 Digestive System: Crash Course Videos
 Digestive Worksheet
 Check Your Understanding: Chapter 15 The Digestive Syst
 em
 Learning Lab: Immune and Digestive Systems (Chapter 15
 The Digestive System)
 Video Quiz: Digestion (Chapter 15 The Digestive System)
 Digestive System T-shirt

Quiz: Chapter 15 The Digestive System
 Research Assignment
 Flashcards: Chapter 15 The Digestive System
 Digestive System Exam - Requires Respondus LockDown
 Browser + Webcam
 Read: Chapter 16 The Urinary System
 PowerPoints: Chapter 16 The Urinary System
 Urinary System: Crash Course Videos
 Urinary Worksheet
 Check Your Understanding: Chapter 16 The Urinary System
 Labeling: The Urinary System (Chapter 16 The Urinary
 System)
 Urinalysis Research
 Video Quiz: Urine Formation (Chapter 16 The Urinary System)
 Quiz: Chapter 16 The Urinary System
 Lymphatic, Digestive, and Urinary Disease Cards
 Flashcards: Chapter 16 The Urinary System
 Urinary System Exam - Requires Respondus LockDown
 Browser+ Webcam
 Check point meeting- Module 5
 Read: Chapter 17 The Endocrine System
 PowerPoints: Chapter 17 The Endocrine System
 Endocrine System: Crash Course Videos
 Endocrine Worksheet
 Check Your Understanding: Chapter 17 The Endocrine
 System
 Labeling: The Structure of the Endocrine System (Chapter 17
 The Endocrine System)
 Endocrine Glands
 Video Quiz: The Endocrine System (Chapter 17 The
 Endocrine System)
 Quiz: Chapter 17 The Endocrine System
 Flashcards: Chapter 17 The Endocrine System
 Endocrine System Exam - Requires Respondus LockDown
 Browser+ Webcam
 PowerPoints: Chapter 18 The Reproductive System
 Reproductive System: Crash Course Videos
 Reproductive Worksheet
 Check Your Understanding: Chapter 18 The Reproductive
 System
 Learning Lab: Urinary, Endocrine, and Reproductive Systems
 (Chapter 18 The Reproductive System)
 STI Prevention Handout
 Video Quiz: Ovulation (Chapter 18 The Reproductive System)
 Quiz: Chapter 18 The Reproductive System
 Endocrine and Reproductive Disease Cards
 Flashcards: Chapter 18 The Reproductive System
 Reproductive System Exam - Requires Respondus LockDown
 Browser + Webcam
 Final project: Essay and Slide Presentation
 Check point meeting- Module 6
 End of Course Survey

*Subject to change. Please consult your Canvas course for the most
 current instructions and updates.*

Classroom Hours

Mo, Tu, W, Th, Fr
8:00 AM - 11:00 AM

For a full list of course hours visit: [Course Schedule](#)

Instructor Contact Information

Dusty Hunter — dhunter@stech.edu
Ashlyn Ogden — aogden@stech.edu

Office Hours: By appointment

Email is the preferred method of communication; you will receive a response within 24 hours during regular business hours.

Canvas Information

Canvas is the where course content, grades, and communication will reside for this course.

- stech.instructure.com
 - For Canvas passwords or any other computer-related technical support contact Student Services.
 - For regular Hours and Weekdays call (435) 586 - 2899.
 - For after Hours & Weekends call (435) 865 - 3929 (Leave a message if no response).
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Course Policies

Policies- Students must adhere to the Program Safety, Work Ethic, and Dress Code as outlined in the Medical Office Receptionist Policies & Orientation. Students are expected to complete coursework according to the scheduled amount of hours designated for the course. Progress is calculated by the number of scheduled hours versus the number of module hours signed off in Northstar. A course timeline will be provided to help you track this progress. You and an instructor will review this during a required weekly video meeting. All students in the program must stay on task and maintain a minimum 67% progress. Failure to meet these requirements shall result in the student completing an Academic Intervention Plan with the Medical Office Receptionist program leadership team and possibly academic warning, probation, and withdrawal from the program if not brought up by the end of each quarter. If you do not have a schedule for ten (10) consecutive scheduled days, you will be withdrawn from Southwest Tech. Excessive cell phone use can hinder progress.

Grading- Each assignment is awarded points according to how well the submission follows the assignment's requirements. Written submissions are graded according to the college writing guidelines. Students must have a minimum of 80% on each module to pass off the module and all modules must be passed off before students are allowed to sign up for the next class. Some assignments may be submitted more than once. If that is the case the assignment will clearly state this. At the end of each module, students are asked to submit a "Module Checkpoint Meeting" showing that they have completed all module requirements.

High School Power School Grades: Quarter student grades will be determined by student progress percentage. Faculty will use the higher percentage of either 1) quarter progress, or 2) cumulative progress for the current training plan year. The progress percentage will be used with the grading scale to determine the minimum grade. **High School Grade Scale:** The following grading scale will be used to determine a letter grade from the progress percentage:

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|-----------------|-----------------|-----------------|-----------------|
| • A : 94 - 100% | • B : 83 - 86% | • C : 73 - 76% | • D : 63 - 66% |
| • A- : 90 - 93% | • B- : 80 - 82% | • C- : 70 - 72% | • D- : 60 - 62% |
| • B+ : 87 - 89% | • C+ : 77 - 79% | • D+ : 67 - 69% | • F : 0 - 59% |

Additional Information

InformaCast Statement: Southwest Tech uses InformaCast to ensure the safety and well-being of our students. In times of emergency, such as weather closures and delays, this app allows us to promptly deliver notifications directly to your mobile devices. To stay informed and receive real-time updates, we encourage all students to sign up for notifications. Your safety is our priority, and staying connected ensures a swift response to any unforeseen circumstances. More information and directions for signing up are available at: <https://stech.edu/emergency-notifications/>

Internet Acceptable Use Policy: The student is expected to review and follow the Southwest Technical College Internet Safety Policy at: <https://stech.edu/students/policies/>

Student Code of Conduct Policy: The student is expected to review and follow the Southwest Technical College Student Code of Conduct Policy at: <https://stech.edu/students/policies/>

Accommodations: Students with medical, psychological, learning, or other disabilities desiring accommodations or services under ADA, must contact the Student Services Office. Student Services determines eligibility for and authorizes the provision of these accommodations and services. Students must voluntarily disclose that they have a disability, request an accommodation, and provide documentation of their disability. Students with disabilities may apply for accommodations, based on an eligible disability, through the Student Services office located at 757 W. 800 S., Cedar City, UT 84720, and by phone at (435) 586-2899. No diagnostic services are currently available through Southwest Technical College.

Safety and Building Maintenance: The College has developed and follows a variety of plans to ensure the safe and effective operation of its facilities and programs. The following plans are available online:

1) Facilities Operations and Maintenance Plan; 2) Technical Infrastructure Plan; and 3) Health and Safety Plan.

Withdrawals and Refunds: Please refer to the Southwest Technical College Refund Policy at: <https://stech.edu/students/policies/>

Any high school or adult student, who declares a technical training objective is eligible for admission at Southwest Technical College (Southwest Tech). Program-specific admissions requirements may exist and will be listed on the Southwest Tech website. A high school diploma or equivalent is not required for admission but is mandatory for students seeking Title IV Federal Financial Aid.

Non-Discriminatory Policy: Southwest Technical College affirms its commitment to promote the goals of fairness and equity in all aspects of the educational enterprise, and bases its policies on the idea of global human dignity.

Southwest Tech is committed to a policy of nondiscrimination. No otherwise qualified person may be excluded from participation in or be subjected to discrimination in any course, program or activity because of race, age, color, religion, sex, pregnancy, national origin or disability. Southwest Technical College does not discriminate on the basis of sex in the education programs or activities that it operates, as required by Title IX and 34 CFR part 106. The requirement not to discriminate in education programs or activities extends to admission and employment. Inquiries about Title IX and its regulations to STECH may be referred to the Title IX Coordinator, to the Department of Education, and/or to the Office for Civil rights.

If you believe you have experienced discrimination or harassment on our campus, please contact the Title IX Coordinator, Cory Estes: cestes@stech.edu, (435) 865-3938.

For special accommodations, please contact the ADA Coordinator, Cyndie Tracy: ctracy@stech.edu, (435) 865-3944.

Southwest Technical College

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