

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

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

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

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

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

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

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
 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
 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
 Blood Typing
 Quiz: Chapter 13 The Circulatory System
 Respiratory and Circulatory Disease Cards
 Flashcards: 13 The Circulatory System
 Circulatory System Exam- Requires Respondus LockDown
 Browser
 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 Vi deos
 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
 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
 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
 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
 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
 Read: Chapter 18 The Reproductive System
 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
 Final p roject: 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
12:00 PM - 3:00 PM

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

Instructor Contact Information

Dusty Hunter — dhunter@stech.edu
Candice Cox — ccox@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).

Course Policies

Policies-Students must adhere to the Program Safety, Work Ethic, and Dress Code as outlined in the Medical Assistant Policies & Orientation. Attendance is important to your success in the Medical Assistant program. You are responsible for the schedule that you set at the beginning of your course and to sign in at the clock-in station at the beginning of your first hour and sign out after your last hour. You are allotted one 15-minute break during each 3-hour block of time, breaks should not be taken within the first or last 30 minutes of your schedule. Problems with signing in must be reported to an instructor as soon as possible. You must maintain 80% attendance in the program. Failure to meet the required attendance standard will result in academic corrective action being taken. If you are going to be absent, communication with the instructor is required to set up time to make up the time missed. This makeup time will be scheduled at the convenience of the instructors and the availability of the classroom and clinic. If you do not have a schedule for ten (10) consecutive days, you will be withdrawn from Southwest Tech. Students are expected to complete coursework according to the scheduled amount of hours designated for the course. All students in the program must stay on task and maintain a minimum 67% progress to retain financial aid eligibility. Failure to meet these requirements shall result in the student completing an Academic Intervention Plan with the Medical Assistant program leadership team and possibly academic warning, probation, and withdrawal from the program if not brought up by the end of each quarter. Cell phones should be on silent and are not allowed in the clinic area. Be courteous to your classmates and take phone calls out in the hall. 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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