

# Central High School

## Anatomy & Physiology 2023-2024 Syllabus

Teacher Name: Nancy Hopper, MSED, RT(R)

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931-381-2222 Ext. 1079

Room Number: 2051

### Teacher Schedule

Period	Course Name
7:45 am – 8:35 am	Anatomy & Physiology
8:40 am – 9:30 am	Anatomy & Physiology
9:35 am – 10:25 am	Diagnostic Medicine
10:30 am – 11:20 am	Planning
11:25 am – 12:55 pm 11:25am – 11:47 am - Lunch	Health Science
1:00 pm – 1:50 pm	Health Science
1:55 pm – 2:45 pm	Health Science

## COURSE DESCRIPTION

*Anatomy & Physiology* is designed to develop an understanding of the structures and functions of the human body, while relating those to knowledge and skills associated with pathophysiology. Upon completion of this course, proficient students will be able to (1) apply the gross anatomy from earlier courses to a deeper understanding of all body systems, (2) identify the organs and structures of the support and movement systems, (3) relate the structure and function of the communication, control, and integration system, and (4) demonstrate a professional, working understanding of the transportation, respiration, excretory, and reproduction systems.

## GRADING

Attendance	15%
Participation	10%
Tests	15%
Quizzes	10%
Projects	15%
Lab/Performance Skills	15%
Mid-Term Exam	10%
Final Exam	10%

## TOPICS COVERED

<b>STANDARD</b>	<b>TOPIC</b>	<b>SUBTOPIC</b>
<b>1</b>	<b>Organization of the Human Body</b>	<b>Organization of the Human Body</b>
<b>1</b>	<b>Organization of the Human Body</b>	<b>Body Cavities and Directional Terms</b>
<b>1</b>	<b>Organization of the Human Body</b>	<b>Homeostasis and Feedback Mechanisms</b>
<b>2</b>	<b>Support and Movement</b>	<b>Integumentary System</b>
<b>2</b>	<b>Support and Movement</b>	<b>Bone Formation, Growth, and Repair</b>
<b>2</b>	<b>Support and Movement</b>	<b>Skeletal Anatomy, Function, and Movement</b>
<b>2</b>	<b>Support and Movement</b>	<b>Joints and Articulations</b>
<b>2</b>	<b>Support and Movement</b>	<b>Types of Muscle and Muscle Anatomy, Physiology, and Pathophysiology</b>
<b>3</b>	<b>Communication, Control, and Integration</b>	<b>Hormones, and the Endocrine System</b>
<b>3</b>	<b>Communication, Control, and Integration</b>	<b>Nervous System Anatomy</b>
<b>3</b>	<b>Communication, Control, and Integration</b>	<b>Neurons and Action Potentials</b>
<b>3</b>	<b>Communication, Control, and Integration</b>	<b>Central Nervous System and Sensory Systems</b>
<b>4</b>	<b>Respiration, Transportation, and Defense</b>	<b>Cardiac Anatomy and Circulation</b>
<b>4</b>	<b>Respiration, Transportation, and Defense</b>	<b>Electrophysiology and the Cardiac Cycle</b>
<b>4</b>	<b>Respiration, Transportation, and Defense</b>	<b>Blood Pressure and Homeostasis</b>
<b>4</b>	<b>Respiration, Transportation, and Defense</b>	<b>Respiratory Anatomy and Physiology and Pathophysiology of the Cardiorespiratory System</b>
<b>4</b>	<b>Respiration, Transportation, and Defense</b>	<b>Blood and its Components</b>
<b>4</b>	<b>Respiration, Transportation, and Defense</b>	<b>Blood Typing</b>
<b>4</b>	<b>Respiration, Transportation, and Defense</b>	<b>Blood Typing</b>
<b>4</b>	<b>Respiration, Transportation, and Defense</b>	<b>Structure and Function of the Lymphatic System</b>

4	<b>Respiration, Transportation, and Defense</b>	<b>Temperature Homeostasis</b>
5	<b>Nutrition</b>	<b>Gastrointestinal System and the Hepatic Portal System</b>
5	<b>Nutrition</b>	<b>Absorption and Transport</b>
5	<b>Nutrition</b>	<b>Lipid Transport</b>
5	<b>Nutrition</b>	<b>Blood Filtration and Waste Excretion by the Urinary System</b>
6	<b>Reproduction, Growth, and Development</b>	<b>Reproductive System Anatomy and Physiology</b>
6	<b>Reproduction, Growth, and Development</b>	<b>Egg, Sperm, and Fertilization</b>

## STUDENT EXPECTATIONS

- Students are expected to behave in a way that does not interfere with learning. Students that interfere with the ability of the teacher to teach and other students' ability to learn will be dealt with swiftly.
- Professional conduct is a major focus and is a critical element in career success.
- No touching. Keep your hands to yourself and off the clinic equipment.
- General school rules listed in Student/Parent Handbook will be enforced.
- Respect everyone and everything.
- Clean up after yourself!
- Be on time and prepared to learn.
- Behavioral standards and expectations as outlined in the attachments will be followed.
- Assignments are due on the assigned due date. Late assignments will be accepted, however, 10 points will be deducted for each day the assignment is late, unless the student has an excused absence. If the student was present when the due date was announced, the student will be expected to turn the assignment in upon returning to school.
- If a student is absent, it is the STUDENT'S RESPONSIBILITY to arrange for makeup work/tests. This must be done within 2 days of returning from any absence. The "due date" for the makeup work will be at the teacher's discretion based on the difficulty of the assignment. If the student was present when the test/assignment was announced, the student will be expected to take the test or turn in the assignment upon returning to school. **If the student does not arrange for makeup work/test within the allotted 2 days, a grade of zero will be entered for that assignment.**
- RETAKE POLICY: A student who wants to retake a failed test must go through remediation before retesting. The student will have 5 school days to complete remediation and retesting. The highest possible score on the retake is 70 percent. This does not include End of Quarter exams. **Note:** When a student retests it may not be the same test or format.

- There will be NO food or drink in the classroom (except a water bottle with a lid), unless permitted by the teacher or for health reasons (teacher must have prior written notification from a Parent/Guardian).

## **DISCIPLINE**

All students will be given a verbal warning when rules are not followed, or expectations are not met. A second violation will result in a conversation witnessed by another teacher. The student will be reminded of those rules and expectations in this conversation. A third violation results in an immediate phone call to parents. Any further violations will be written up and sent to an administrator. All discipline issues will be recorded in a discipline journal that will be referred to later if violations continue.

## **ETHICAL BEHAVIOR**

Ethical behavior is an essential component of learning and scholarship. Students are expected to understand, and adhere to, the school's academic integrity policy stated in the student handbook. Students who violate this policy will be referred to the office.

## **CLASSROOM SUPPLY LIST**

- Three-ring binder with at least five dividers
- Pens or pencils
- Highlighter (any kind, for notes)
- Loose leaf paper
- Poster board or presentation board

HOSA membership is optional but is recommended for optimal involvement in the Health Science Program.

We will use your student issued devices in the classroom. **You must bring these to class with you every day!** We will use both Teams and eDynamicLearning which you will have access to.

## **SIGNATURES**

Both the parent/guardian and student must sign below indicating they have received, read, understand, and agree to the course's requirements and responsibilities as described in the syllabus.

**Student Signature** \_\_\_\_\_ **Date** \_\_\_\_\_

**Parent/Guardian Signature** \_\_\_\_\_ **Date** \_\_\_\_\_