

Anatomy & Physiology

Providence Extension Program

Instructor: Dr. Charlotte Singletary PT, DPT

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Required Texts & Materials

- *Advanced Biology in Creation: The Human Body, 2nd Edition (student text)*
 - *Kaplan Anatomy Coloring Book, 10th Edition*
 - 1 binder with loose-leaf paper or spiral notebook
 - Pen or pencil
 - Colored pencils
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Class Description

This honors level high school course covers both the anatomy and the physiology of the human body and its eleven organ systems. We will focus on basic anatomical terminology and the overall organization of the body, as well as the structure and function of the various organ systems and how these systems interact and work together. The course will include microscope observations and dissections of specimens. In addition to the textbook work, scholars will complete coloring and/or worksheet exercises, review case studies pertinent to each system, examine disorders associated with each system, and write reviews of current articles related to the subject matter. This course is considered a lab science. All scholars in this course are required to take the Final Exam administered during Finals Week.

Topics Covered

Based on *Advanced Biology in Creation, 2nd Edition*, scholars will explore:

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| • Histology & the Integumentary System | • The Endocrine System |
| • The Skeletal System | • The Circulatory System |
| • The Muscular System | • The Lymphatic System |
| • The Nervous System | • The Digestive System |
| • The Central Nervous System | • The Respiratory System |
| • The Peripheral Nervous System | • The Urinary System |
| | • The Reproductive System |

Class Expectations

- Be on time and prepared with materials.
 - Participation and note-taking are required.
 - Be respectful to the instructor and classmates.
 - Disruptive or disrespectful behavior will result in removal from the class and placement in study hall for that session.
 - Hands-on activities and labs will be integrated into class sessions. Attendance is essential to maximize learning. Scholars are expected to act safely, follow all lab procedures, and use equipment responsibly at all times.
 - In case of absence, parents may email the instructor for an excused absence, which may exempt the scholar from the lab activity.
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Grading Policy

Grades will be posted in the online gradebook as soon as possible.

- Work not submitted will be recorded as a zero until received.
- Late Work Penalties:
 - 20% reduction for the first PEP day late
 - 30% reduction for the second PEP day late
 - No work accepted beyond 2 PEP days late
- Each scholar will receive **two Grace Passes** for the school year. A Grace Pass may be used in place of a missed **homework assignment** and receive full credit.

Grading Scale:

90-100	= A
80-89	= B
70-79	= C
60-69	= D
≤ 59	= F

Grading Breakdown

- 40% – Tests
 - 25% – Labs/Participation
 - 20% – Quizzes/Project
 - 15% – Homework
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Cell Phone Policy

- PEP requires that no cell phones be carried into class.
- Violations will result in a deduction of class participation points.
- Cell phones will be taken from scholars and given to Study Hall monitors or Administrator to be returned by the end of day.

Absences

- Assignments are due on the date posted in the Pacing Guide.
 - For an excused absence (with a parent email on or before class), work may be submitted upon return with no penalty.
 - Unexcused absences will incur late penalties.
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Learning Anatomy & Physiology is about far more than memorizing body parts or passing tests. It is about developing a deeper understanding of the incredible design and function of the human body while building the critical thinking and problem-solving skills used in science and healthcare.

My goal is to create a classroom where scholars are challenged, encouraged, and inspired to appreciate the complexity of God's creation while gaining knowledge and confidence that will serve them throughout high school, college, future careers, and their walk with Christ.

I look forward to partnering with your family this school year.

Dr. Charlotte Singletary, PT, DPT
Anatomy & Physiology Instructor

Parent & Scholar Acknowledgment Form

By signing below, both scholar and parent/guardian acknowledge that they have received, read, and understood the course syllabus and expectations for Anatomy & Physiology.

We understand that this is an advanced lab science course with a commitment to academic rigor, and we agree to uphold the standards outlined in the syllabus.

Should any questions or concerns arise during the semester, we agree to communicate with the instructor in a respectful and prompt manner.

Scholar Name (Print): _____

Scholar Signature: _____

Date: _____

Parent/Guardian Name (Print): _____

Parent/Guardian Signature: _____

Date: _____

Parent Preferred Contact Email or Phone: _____

Please return this signed form to your instructor.