

Course Syllabus - Anatomy and Physiology

Instructor	Mrs. Anna Cook acccook@mercer.k12.pa.ua
Course Description	A fast paced and high level course that encompasses a detailed study of the human body. Recommended to juniors and/or seniors who intend on pursuing a career in a health related field, or to academic minded individuals who desire to understand the structure and processes of the human body.
Prerequisites	Biology and Chemistry(corequisite)
Credits	1 credit (weighted 1.3)
Location	Room 210
Instructor Planning	Period 8
Textbook	Elaine Marieb's - Essentials of Human Anatomy & Physiology(11th Edition)
Google Classroom	PD 6 - czgk2wg PD 9 - iff7fqo
Homework Policy	Homework will be restricted to independent study of materials including reading and test preparation and the completion of laboratory reports. All reading assignments and lab reports will be expected to be complete on the date provided by the instructor at the time of assignment.
Grading Policy	<p>Each test, quiz and lab assignment will receive a point value. Grades are based on points earned compared to points possible.</p> <p>**Extra credit may be earned for completion of specific assignments at the discretion of the instructor. Extra credit opportunities will be offered to the full class NOT individual students</p> <p>Per the Mercer area Student handbook, "Scholastic grades are based upon test results, homework, projects, participation, etc. as determined by the individual classroom teacher. The basic guideline for daily grades in all classes is as follows:</p> <p>A + = 96.50 to 100 B = 82.50 to 86.49 C- = 69.50 to 72.49 A = 92.50 to 96.49 B - = 79.50 to 82.49 D + = 66.50 to 69.49 A - = 89.50 to 92.49 C + = 76.50 to 79.49 D = 62.50 to 66.49 B + = 86.50 to 89.49 C = 72.50 to 76.49 D - = 59.50 to 62.49 F = 0 to 59.49"</p>
Academic Integrity	Per the Mercer Area Student handbook, "Students caught cheating; plagiarizing; copying homework, tests, or quizzes; removing testing

	materials from a classroom without permission; or using a paper from the Internet will be given a zero (0) on that assignment and will receive a consequence (after-school detention, Saturday detention, and/or suspension) based upon the level of the infraction. In addition, their name will be reported to the office and filed in the event of future violations. Repeated violation could result in removal from class, a non-passing grade, and/or a discipline hearing.”
Make- Up Work	Per the Mercer Area student handbook, “Students are required to make up all missed work within a maximum of one (1) school week (5 days) after returning from any absence. This includes students on a pre-approved trip of more than one (1) day. Teachers may require student’s makeup work within a like number of days for any absence (i.e., two days absent – two days to complete the missed work). If a student is absent on the day of a scheduled assessment they will be required to complete that assessment on the day he/she returns to school unless other arrangements are made with the teacher.”
Late to class	Per the Mercer Area student handbook, “Students reporting late to class must secure a pass from the previous teacher if they were legitimately detained. Without such a pass, the student will be liable for after-school detention. The office will not issue passes for readmission to class except for special instances: school discipline, conference, and after-school detention.”
Laboratory Regulations	See attached ‘Science Classroom Student Safety Contract’. All students must complete two copies of the student safety contract. One copy will be submitted and retained by the instructor and the second is to be retained by the student.
Cell Phone Usage	Per the Mercer Area student handbook, “The middle-high school has an acceptable use policy for electronic devices. Normal cellular phone use and the use of other similar devices (Tablets, Smartwatches, iPods, E-Readers/Kindles, CD players, headphones, etc.) are prohibited in school from 7:45 a.m. - 3:15 p.m. Cell phone use is permitted during a student’s scheduled lunch period only in the cafeteria (11:05 a.m. – 11:40 a.m. for students in grades 10-12 and 11:52 a.m. – 12:27 p.m. for students in grade 7-9).”

Course Outline		
Unit	Material Covered	Notes
1	Introduction to A&P	Review: Homeostasis, Structural Organization, Basic Chemistry, Anatomical/Medical Terminology
2	Cell Biology/Histology	Included in this unit are several microscopes lab exercises in which students will observe tissue specimens. In addition, a dissection lab on live tissue will be conducted. A written exam will end the unit.
3	Skeletal System	Included in this unit will be the observation of human bones. Students will be expected to learn the names and markings of several bones and classification/ description of some major joints. This unit will include a practical exam and written exam.
4	Muscular system	Students will be able to identify the three types of muscle in the body and names of many muscles found in the body, including their insertions, origins, and actions. The unit will end with a written exam.
5	Nervous system	Students will study the structure and function of the brain, spinal cord and nerves. Students will be given the opportunity to observe the brain in a dissection lab. The unit will end with a written

		exam
6	Blood	Students will study the composition and function of the blood. A blood typing exercise will be performed. A written exam will end the unit.
7	The Heart	Students will study the structure and function of the heart. A heart dissection lab will be conducted. A written exam will end the unit
8	Blood vessels	Students will study the structure and function of the body's blood vessels. A lab exercise on blood pressure will be conducted. A written exam will end the unit.
9	The Lymphatic/Immune Systems	Students will explore the composition/circulation of lymph and the bodies defense systems
10	Fetal Pig Dissection	The final laboratory experience is a fetal pig dissection. This is a week long experience ending with a practical exam.

We have read, understand and agree to the listings of the course syllabus as written in this document.

Student Name: _____ Signature: _____

Parent/Guardian Name: _____ Signature: _____

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Detach and Return ONLY THIS PAGE to Mrs. Cook By Friday September 1st, 2023

We have read, understand and agree to the listings of the course syllabus as written in this document.

Student Name: _____ Signature: _____

Parent/Guardian Name: _____ Signature: _____

Parent/Guardian Telephone number: _____

Parent/Guardian Email address: _____