

Anatomy and Physiology - 2015 / 2016

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Course Description:

Welcome to Anatomy and Physiology! This class will take you on a journey through the human body, taking a look at its individual parts and how these parts work together. The human body is extremely complex, and it is not possible for us to learn EVERYTHING about the human body. What you will learn in this course will depend on what **you** put into the course. **This rigorous course will include numerous laboratory activities, technical reading, dissections, and will require a great deal of memorization.**

Learner Outcomes:

- Students will recall and apply the general terminology describing human gross anatomy, fine anatomy, physiology, pathology, and aging.
- Students will explain the structure, functions, pathology, and the reasons for aging of the human organ systems
- Students will evaluate and predict the causes of human pathology and human aging
- Students will assess and apply the appropriate information needed to resolve “real life” issues and problems related to various careers that require anatomy and physiology knowledge

Standards Covered:

This course covers a combination of national and state science standards as well as content-area language standards.

Modes of Instruction:

Lab investigations	Web Quests	Textbook Readings	Teacher Lectures
Field investigations	Case Studies	Videos and DVDs	Dissections
Classroom discussions	Guest Speakers		

Materials Used:

- **Human Anatomy and Physiology: A Case Study Approach*
 - the textbook will be issued to you the first week of class. You are responsible for the use and care of this textbook for the length of this course.
- *Newspaper articles, magazine articles, journal articles, etc. that pertain to the human body
- * web sites
- *Videos and news programs dealing with the human body
- *Specimens for dissection (non-human)
- *Schoology course management system

Materials Needed for class each day:

- *Notebook
- *folder
- *pencil or pen
- *textbook
- *positive working attitude

Course Content (as time allows)

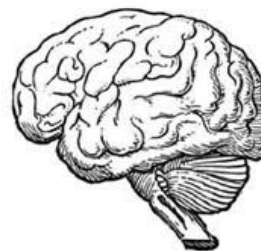
- *Chapter 1 –Overview of the Body
- *Chapter 2 – The Body’s Chemical Makeup
- *Chapter 3 – Organization of the Body
- *Chapter 4 – The Skin and Its Parts

- *Chapter 5 – The Skeletal System
- *Chapter 6 – The Muscular System
- *Chapter 7 - The Endocrine Glands and Hormones
- *Chapter 8 – Functions of the Nervous System
- *Chapter 9 – Structure of the Nervous System
- *Chapter 10 – The Respiratory System
- *Chapter 11 – The Cardiovascular System
- *Chapter 12 – The Lymphatic System and The Blood
- *Chapter 13 – The Digestive System
- *Chapter 14 – The Urinary System
- *Chapter 15 – The Reproductive Systems and Development

Assessment and Grading:

- *1.0 science credit is earned upon successful completion of the course requirements
- *Grades are earned by you, not given by the teacher.
- *Grades will be posted on your report card for each quarter, and semester.
- *Quarter grades –Tests and Quizzes 50%, Projects, Labs Activities, and Assignments 50%
- * Grades will be posted in the room, and updated after each Chapter Test. For more frequent updates, have a parent or guardian sign up for SchoolView to access grades on the web.
- *One extra credit opportunity will be given to all students each semester. More details will be given to students in class.
- *Letter grades are earned by the following percentages

A	94-100	C	74-77.9
A-	90-93.9	C-	70-73.9
B+	88-89.9	D+	68-69.9
B	84-87.9	D	64-67.9
B-	80-83.9	D-	60-63.9
C+	78-79.9	F	0-59.9



- A - achievement that is **outstanding** relative to the level necessary to meet course requirements.
- B - achievement that is **significantly above** the level necessary to meet course requirements.
- C - achievement that **meets the course requirements** in every respect.
- D - achievement that is worthy of credit even though it **fails to meet fully the course requirements**.
- F – represents failure to meet course requirements, no credit earned

Attendance

Remember the PCHS attendance policy – **you** are responsible for making up assignments and time according to the policy in your student handbook.

If you are absent on the day an assignment is due, I expect to receive the assignment on the first day you return to class. If you are absent on the day an assignment is given, you will receive 2 days to do the assignment as stated in the Dragon Handbook.

Laboratory

Safety is very important in the science laboratory. Proper attire must be worn during laboratories, which **may** include aprons, goggles, gloves, etc.

1. Scalpels, knives, probes, razors, and other sharp instruments are commonly used in our labs – use with care, and report any accidents immediately.
2. Absolutely no food in the room. Water is allowed as long as we are not in lab.
3. Many dissections take place in this class. **NO DISSECTED MATERIAL LEAVES THE ROOM!** You need to clean and disinfect your workspace before leaving at the end of the period.

Classroom Expectations

*You are required to follow all guidelines and expectations outlined in the PCHS student handbook

Be respectful of people and property

*respect yourself and others (teachers, substitutes, classmates, visitors, etc.)

*Actively listen to the person who is speaking (absolutely no heads down on the tables)

*Be respectful of others ideas and thoughts

*Follow all directions the first time – especially SAFETY guidelines

*Cell phones are a distraction to both me and you – I do not want to see them, hear them, or have to wonder if you are using them

Be in class ready to learn

*Be on time – one unexcused tardy per quarter, then detention is assigned

*Have all materials with you – no locker passes

*Participate in discussions, labs, and activities

*Remain in your seat until dismissed (no lining up at the door)

Take responsibility for your work

*Assignments must be handed in on time to receive credit – Late work will not be accepted – so use your class time wisely

*Stay organized and keep all assignments, notes, handouts, etc. The different organ systems work together and you may need to refer back to previous course material.

*Keep up with assignments every day. Do not wait until the night before a test to play ‘catch-up’.

*Let me know if you are having problems ASAP so we can get you back on track. Ask for help when needed.

Keep this course syllabus for further reference

Return the portion below to Mr. Adams

I have read through and understand the guidelines, procedures, and expectations for the course: Anatomy and Physiology. **I understand that this is a rigorous and challenging course requires dissection of animal organs, technical reading, and A LOT of memorization.**

Date _____

Student signature _____

Parent /Guardian signature _____