

HUMAN PHYSIOLOGY

2017-18 SYLLABUS

Human Physiology is a course that involves the detailed study of the eleven systems that make up the human body. We will learn about the cells, tissues, and organs found in these systems and how each system functions. Human Physiology is taught as a college-prep course. It is designed for students interested in pursuing health-related careers in the medical field.

Dissections are an important part of any course in physiology. Our dissections will include the fetal pig, sheep heart, sheep brain, sheep kidney, and sheep eye. We will also do many labs that will allow us to apply what we learn and develop important critical thinking skills.

TEXTBOOK:

Essentials of Anatomy and Physiology (etext) - by Marieb

TOPICS:

TEXT CHAPTERS:

LENGTH:

First Semester

The Human Body: An Orientation	Chapter 1	1 week
Cells and Tissues	Chapter 3	2 weeks
Skin and Body Membranes	Chapter 4	2 weeks
The Skeletal System	Chapter 5	2 weeks
The Muscular System	Chapter 6	2 weeks
Fetal Pig Dissection	Lab manual	2 weeks
The Nervous System	Chapter 7	3 weeks
Special Senses	Chapter 8	2 weeks
The Endocrine System	Chapter 9	2 weeks

Second Semester

Blood	Chapter 10	1 week
The Cardiovascular System	Chapter 11	4 weeks
The Lymphatic System/Body Defenses	Chapter 12	2 weeks
The Respiratory System	Chapter 13	2 weeks
The Digestive System and Metabolism	Chapter 14	3 weeks
The Urinary System	Chapter 15	3 weeks
Reproductive System	Chapter 16	3 weeks

REQUIRED MATERIALS FOR CLASS:

- Chromebook
- 3-ring binder for handouts
- Colored pencils for diagrams

GRADES:

Grades are based on points earned in the following areas:

Assessments:	60% of final grade
Labs and Dissections:	20% of final grade
Homework and Participation:	20% of final grade

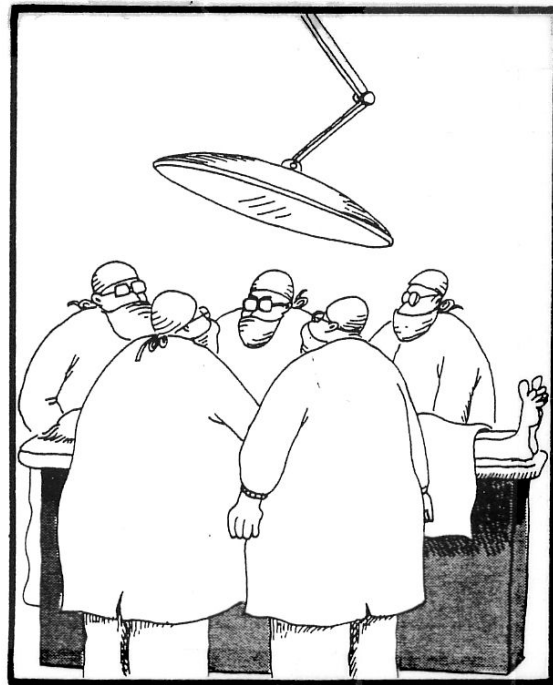
Grading scale:	A	90-100%
	B	80-89%
	C	70-79%
	D	60-69%
	F	under 60%

CLASSROOM POLICIES:

1. Be to class on time and be ready to start class when the bell rings.
2. Come to class prepared with all required materials.
3. No food or beverages in science classrooms.
4. We will treat each other respectfully. Respect school property as well.
5. Cell phones need to be put away.
6. Late work will count half credit. All assignments must be completed to pass the class.
7. Be ready to work each day... there are no free days!
8. Have a sense of humor!



"Whoa! That was a good one! Try it, Hobbs — just poke his brain right where my finger is."



"Okay, Williams, we'll vote . . . how many here say the heart has four chambers?"