

Course Syllabus

Anatomy/Physiology

Year: 2013 - 2014

Instructor: Mr. O'Neill

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Text: Structure & Function of the Body (Mosby, 2000)

Course description:

Usually taken after a comprehensive initial study of Biology, Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals.

Pre-requisite: Biology, Chemistry

Course objectives:

1. Identify body regions and orientation within the human body.
2. Describe function of organs and systems in the human body.
3. Identify and label organs within each organ system.
4. Identify the function of specific organs within systems.
5. Obtain a general understanding of the inter-relationship between organ systems.
6. Prepare students to meet the acceptable range on state assessments.

Grade calculations:

1. Homework (IGP)	20%
2. Project (lab)	20%
2. Quiz	20%
3. Test	40%

Semester grades will be an equal average of the two quarter grades.

Grading Scale:

A	=	90 - 100%
B	=	80 - 89%
C	=	70 - 79%
F	=	below 70%

A passing grade of D may be given provided the student has been diligent in turning in work on time and has made efforts to get help outside class time, including but not limited to ASAP.

Independent Guided Practice is usually assigned with a specific due date, then graded in class.

It is expected that students will work independently on such work and not copy. In A&P there will be little lecture, more reading, some assignments, and review as we grade.

Laboratories will usually involve a lab write-up, and will be graded by a 20-point rubric included in this syllabus. Many of our labs will be a video analysis and will be graded by points.

Quizzes will be given several times within a unit to monitor and evaluate individual progress.

Quizzes may be given over reading material, or after practice on more complicated materials. Quizzes will typically be taken without IGP, but notes and hand-made drawings may be used as long as they were made by each quiz-taker.

Tests will be given two to four times per quarter, after unit information has been presented, reinforced, and usually quizzed. ONE regular 8.5x11 inch sheet of paper may be used for notes (both sides) for each test. Notes must be written/drawn by each individual.

Course Sequence:

Semester I

Quarter 1

- 1, 3. Anatomical Orientation/Organ Systems
- 4. Integumentary System
- 5. Skeletal System

Quarter 2

- 6. Muscular System
- 7, 8. Nervous System & Senses
- 9, 12. Endocrine & Lymphatic Systems

Semester II

Quarter 3

- 10, 11. Blood & Circulatory System
- 13. Respiratory System
- 14. Digestive System

Quarter 4

- 16, 17. Urinary System & Fluid Balance
- 19. Reproductive System

What is expected of you, the student:

I. Academic

- A. Most daily work will be graded for points, but you will have opportunity to practice, then we will go over it together. If you do not do the work, then you will miss the practice, and likely be less successful on quizzes and tests.
- B. If you are absent from class **YOU** are responsible for obtaining missed assignments. **Please hand make-up work directly to me** - do not put it in with other work or leave it on my desk.
- C. A loose-leaf notebook or folder is recommended for retaining notes and homework. Work will not be accepted on paper with spiral-fringed edges.
- D. Students found cheating will receive no credit for that test, quiz, or assignment. Copying another student's work is considered cheating in this class!!
- E. I will be available for help before and after school until March. Times will then vary depending on track schedules. If necessary, appointments can be made for help or make-up work during Activity Period.

II. Procedural

- A. Please be punctual in getting to class. When the bell rings, take your seat quickly and quietly. You may often have work to do as roll is taken at the beginning of class. (Remember, homework is due before the bell.)
- B. Since this is a laboratory where potentially dangerous chemicals are used, no food or drink should be consumed during labs, and care should be taken to avoid contamination.
- C. The chemical supply room and greenhouse through the south door are off limits to students. Please do not go into these areas unless you have permission.
- D. Safety glasses and lab aprons are to be worn during all labs where dangerous chemicals are used or a danger to the eyes exists.
- E. If it is necessary to leave the classroom you must have a hall pass. Your student planner is your pass. Write the pass in the calendar on the date you are leaving the room and bring it to me for an initial. Passes for personal request will cost 5 minutes b/a school.
- G. Proper classroom attitude will be maintained. Please do not be a disruptive influence.
- E. Laboratories are serious business. Please refrain from pranks that may endanger fellow students. Acquaint yourself with emergency and aid stations.

Makeup work, Late Work, Re-takes

Mr. O'Neill's classes

I will attempt to keep an updated copy of my lesson plans on the bulletin board at the front of the room so at any time you may check to see assignments missed.

- I. Makeup work due to missing class.
 - A. See me for assignment the first school day back from absence.
 - B. You have 2 days (48 hours from the absence) to make up work for each day absent.
 - C. Work assigned and due the day of an absence becomes due the first day back at school.
 - D. Write the **Date absent** and **Date turned in** on your work.
 - E. All makeup work is due before a test is taken over the material. No makeup for a unit will be credited after the student takes the test.
 - F. It is **YOUR** responsibility to get assignments from me, and **YOUR** responsibility to remember to turn it in to me by the due date. Don't use the excuse "the teacher never gave me the assignment".

- II. Late work will be accepted according to the following criteria:
 - A. Late work must be turned in before a test is taken over the material.
 - B. Late work turned in before graded papers are returned to students and the assignment explained in class will be credited at 75%- that is 87.5% of points earned up to a maximum of 75%.
 - C. Late work turned in after graded papers are returned or the assignment gone over in class will be credited at 50%- that is 75% of points earned up to a maximum of 50%.

- III. Retakes. There are two types of re-takes I will allow.
 - A. Tests and some quizzes may be re-taken or re-done for a higher grade (not labs).
 - B. Tests and quizzes will usually require at least one study session before you will be allowed a re-take. Study sessions may be during the school day (seminar/before/after).
 - C. Retakes will be credited a maximum of 75% points possible- that is 87.5% of points earned up to a maximum of 75%.
 - D. All retakes will be completely done over- no partials. Most re-takes will be done outside the school day (ASAP, before, after).

- IV. Grade codes: On PowerSchool you may see the following grade codes.
 - .9 = work turned in later, receives full credit usually due to absence
 - .8 = work re-done or re-taken for maximum score 75%, usually ASAP
 - .7 = work turned in late receiving 75% credit
 - .4 = work turned in late receiving 50% credit

Lab and Assignment Rubric O'Neill's classes

Points	Description
20	<ul style="list-style-type: none"> • Work exceeds <u>requirements</u> of project • All work is of exceptional quality • No spelling, grammatical, or writing errors • Clearly demonstrates understanding of project
18-19	<ul style="list-style-type: none"> • Work demonstrates some extended concepts • Work is of exceptional quality • No spelling, grammatical, or writing errors • Demonstrates understanding of project
16-17	<ul style="list-style-type: none"> • Work meets requirements of project • Work is of good quality • Few spelling, grammatical, or writing errors • Some reservations about understanding of project
14-15	<ul style="list-style-type: none"> • Work is lacking in some aspects of project requirements • Work is of fair quality and neatness • Some spelling, grammatical, or writing errors • Shows evidence of failure to comprehend some aspects
12-13	<ul style="list-style-type: none"> • Work is incomplete or lacks certain aspects of requirements • Work is of poor quality • Includes spelling, grammatical, or writing errors • Failure to comprehend major aspects of project
10	<ul style="list-style-type: none"> • Work is incomplete, but shows some comprehension of project • Present at lab, but no write-up turned in • Did not show evidence of independent work on lab (too much copied from partner or other groups)
0	<ul style="list-style-type: none"> • Not present at lab and not made up • Lab needs to be finished for credit.