

Anatomy & Physiology

Fall 2016 – Spring 2017

BEULAH HIGH SCHOOL/GREAT WESTERN NETWORK

Instructor: Mrs. Savannah Elkins

I. Contact Information:

Beulah High School

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II. Course Description:

Human anatomy and physiology is an advanced science elective. Students taking this course should have previously passed biology and may be planning to earn a degree in the health science, biological sciences or medical field. This course is a strenuous survey of human anatomy that parallels anatomical characteristics of other animals. The course focuses on anatomical terminology, identification and physiological processes of human body systems. Students enrolled in A&P should realize that this course requires an extensive amount of time, effort, reading and memorization. Successful completion of this class requires dedication and commitment from the student. It is offered 2nd and 3rd period in the Beulah HS Classroom 308 and via the Great Western ITV Network. The distance sites will be required to provide their own lab materials for the dissection which takes place in the spring. A list of tools/specimens will be provided in the fall to order for the spring semester.

III. Course Objectives:

- a. Students will explain how anatomy and physiology are related.
- b. Students will define the levels of structural organization that make up the human body.
- c. Students will examine the organ systems of the body and understand their major functions.
- d. Students will define homeostasis, explain its importance and the mechanisms by which it's controlled.
- e. Students will define the major tissue types and illustrate how they differ structurally and in functionality
- f. Students will describe the developmental aspects of all the body systems and define common diseases that affect the human body.

IV. Required Text and Materials:

Anatomy Physiology: Unity of Form and Function 6th ed. (McGraw Hill) © 2012

Folder/Organizer

Notebook or binder/loose-leaf ruled paper

Pencil and pen (red or blue)

V. Grading:

$$\begin{array}{r} \mathbf{H1 = 85\%} \\ + \mathbf{E1 = 15\%} \\ \hline \mathbf{S1 = 100\%} \end{array}$$

Each (H1 and H2) grade will consist of 60% daily work (includes: class work, homework, lab activities and projects) and 40% test grades (includes: chapter exams, lab exams, quizzes, and reports).

- a. Labs are a mandatory part of this class and some may require pre- or post-lab reports. A Laboratory Safety Contract must be signed by the student, their guardian and turned in to Mrs. Elkins, at a date to be determined, in order to participate in the semester's lab activities.
- b. Major/minor projects may be assigned through the year. Each project will include a handout of details, expectations and grading.
- c. Semester exams (E1 and E2) will be administered at the end of each semester. They are cumulative in content and will count for 15% of the final semester grade (S1 and S2).

Grading policies have been put in place to help students understand what is expected of them, in regards to course work, and the consequences of failing to meet those expectations.

- a. Late work will NOT be accepted for full credit. Arrangements to turn in late work must be made with Mrs. Elkins, within a reasonable amount of time (up to 1 week, dependent upon assignment) past the due date, in order to be accepted for partial credit.
- b. Makeup work will be accepted for full credit when submitted in a timely manner; arrangements to be made the day the student returns to school. It's the student's responsibility to obtain any assignments missed while absent, or make arrangements to make up any tests, quizzes, etc. If it's an approved absence, students have one day for each excused absence to make up work. This includes daily grades and tests. Missed exams must be taken before/after school or during a student's study hall. It is NOT appropriate to request to take the exam during the regular class period. If you are absent during a lab or during a time in which you were scheduled to present a project, special arrangements can be made prior to the absence to complete the task before or after school or to receive an alternative assignment.

- c. Cheating/plagiarism is absolutely NOT tolerated. Cheating on a test or assignment will result in a grade of zero for all involved. An act of plagiarism on an assignment will result in a zero and may result in other disciplinary action, according to school policy. A retake or redo is NOT allowed in the event of cheating or plagiarism.

VI. School/Network Policies:

All BHS and GWN ITV policies will be enforced within the classroom(s). Students should be familiar with and abide by the guidelines in their respective school and GWN student handbooks pertaining to discipline, attendance, appearance and academic honesty, etc.

VII. Expectations:

It is assumed that each student is mature, motivated and willing to broaden their understanding of the natural world. I hope that each student is curious, objective and interested in new ideas and I expect, above all, that each student is ready, willing and able to work and study every day. This course may be demanding at times and successful completion requires full determination and dedication from beginning of the year to the end.

- a. Students are expected to be in their seat and ready to learn when the bell rings.
- b. Students need to have their materials for class with them each day. If the student does not have the required materials, they will be sent to retrieve them and will receive a tardy if they are not present, in the room, when the bell rings.
- c. Students must listen to and follow instructions carefully; during lecture, assignments and especially in lab activities.
- d. Students are not to complete tests or quizzes in anything other than pencil. Tests or quizzes written in anything other than pencil will be docked an automatic 10% with opportunity to rewrite in pencil to avoid penalty.
- e. Students are not allowed to carry backpacks/bags of any kind, according to school policy, unless authorized by the office in special circumstances. If a student brings a bag to class, they will be sent back to their locker to return it and will be counted tardy for the class period.
- f. Cell phones and other electronic devices are to be turned off and cell phones stored in the classroom organizer at the beginning of class. Devices may be retrieved during work time or at the end of the class hour according to teacher discretion. No computers/ipads or any other technology is allowed during lecture or work time unless otherwise stated. Refusal to surrender the/a device will be considered defiance and will result in being sent to the HS office for disciplinary action.

Keys for SUCCESS (the 5 P's):

1. Be **Prompt** – Be in your assigned seat before the bell rings. Meet deadlines.
2. Be **Prepared** – Bring necessary materials, including homework. Study for tests.
3. Be **Polite** – Respect school property and those around you. Discipline yourself so others don't have to!
4. Be **Productive** – Participate arduously in all class activities. Follow instructions. Use your time and energy wisely. Finish all work. Everything has its time!
5. Be **Positive** – My expectations for each student are to: set high academic and personal goals, be a problem solver, help others, and as for help when necessary.

VIII. Tentative Semester Outline:

a. FALL

- i. Cellular form and function
- ii. Histology
- iii. Integumentary system
- iv. Skeletal system
- v. Muscular system
- vi. Nervous
- vii. Endocrine system

b. SPRING

- i. Circulatory system
- ii. Lymphatic system
- iii. Respiratory system
- iv. Urinary system
- v. Digestive system
- vi. Human development and aging

NOTES:

Please sign and return this agreement to Mrs. Elkins by the following date:

Student Agreement:

I, _____ (student) acknowledge that I have received and reviewed the course syllabus for BHS Anatomy/Physiology, Periods 2-3, for the school year 2016-2017. My class meets in room 308/via the ITV network and my instructor is Mrs. Savannah Elkins.

I have read the syllabus (either in paper or online), and I understand the classroom policies, instructor's expectations, and rules (eg., technology and text requirements, grading system, attendance policy, academic integrity policy, assignment responsibilities, test policies, etc.) as stated in the syllabus for this course.

I _____ (initial) have enrolled in my class via the Remind app (instructions on the back of this form) and will be receiving reminders throughout the year of important deadlines.

If I have any questions or concerns, I will contact the instructor for further explanation; either stopping in room 308, calling 701-873-2261 ext 1308 or emailing savannah.elkins@k12.nd.us. I understand that I am responsible to complete all homework assignments, quizzes/in-class assignments, and written projects by the due dates as outlined in the syllabus. I agree to be prepared for and attend class each day, eager to learn!

Signature: _____ Date: _____

Parent Agreement:

I, _____ (parent/guardian) acknowledge that I have read and discussed the syllabus and expectations with my child(ren) and I understand the grading process.

I _____ (initial) have also enrolled in the class via the Remind app and will be receiving reminders throughout the year of important deadlines, to help my child(ren) to stay organized.

Signature: _____ Date: _____

