



Class: BIOL 118: Survey of Physiology

Credits: 5 UW credits / 1.0 High School credit (Science/CTE Elective)

School: Everett High School

Full Year: October 1, 2024 - June 17, 2025

Instructor: Dana Steele

Instructor Contact Information: dsteele@everettsd.org

Course Description

Human physiology, for nonmajors, and health sciences students.

The goals of this class are to have everyone develop an understanding of basic physiological principles, acquire or improve your ability to understand & summarize information graphically, understand some of the major issues associated with your personal health, and develop enough familiarity with health issues that you can research topics on your own & critically evaluate that information.

Course Materials

Textbook: Essentials of Human Anatomy & Physiology, 12th edition, by Marieb & Keller, Pearson Press

Website: Canvas

Supplemental material and lab guides provided by instructor as needed.

Course Learning Goals and Participation Standards

This is an introductory anatomy and physiology course designed to provide a basic understanding and working knowledge of the human body. Students will develop a foundation in human anatomy and physiology through the study of the structure, function, and interactions of organs, systems, and the environment. There will be an emphasis over the integration of function and form in a homeostatic manner.

We want to engage you to

Learn Actively: You'll be asked to learn from a variety of sources, learn by doing, and learn by explaining content and processes to someone else. This also means that you need to be in class!

Think Critically, Creatively and Reflectively: You'll be asked to solve problems and to explain solutions to each other. You will enrich your attention to detail.

Communicate with Clarity and Originality: You'll be asked to make verbal explanations, give clear answers in writing and communicate effectively in a laboratory setting both verbally and in your records.

Interact in Diverse and Complex Environments: You'll be asked to interact with all students in class. You will be expected to be an effective team member.

Keep in mind that this is a college-level curriculum therefore, a high standard of scholarship and dedication will be required for success in this class. In short, you must be the main agent in your educational process.

Skills and content are assessed through unit exams, a midterm, a final, various short writing assignments, case studies, and projects in which you apply your knowledge.

Course Topics and Assignments

Each unit will include active notes taken from textbook readings/supplemental readings as assigned. Case studies, labs, and group work will be done in class. Lectures will go over key topics and your questions from the notes.

Unit	Chapter	Start Date	ASSESSMENT DATE*
1. Intro to Body Systems, Homeostasis, Cells (Review ONLY)	1	9/11	10/4
2. Skin	3 & 4	10/7	10/18
3. Lymph & Immunity	12	10/21	11/15
4. Special Senses	8	11/18	12/20
5. Nervous System	7	1/6	1/31
Cumulative Semester Assessment	During Finals week plus corrections and Career One Pager		
6. Blood & Cardiovascular System	10 & 11	2/3	2/21
7. Endocrine System	9	2/24	3/7
8. Digestion & Metabolism	14	3/10	4/4
9. Bones & Muscles	5 & 6	4/7	4/25
10. Respiratory & Excretory	13 & 15	4/28	5/9
11. Reproduction	16	5/12	5/30
Fetal Pig Dissection		6/2-6/3	

Cumulative Final Project	6/4-10
After Exam Projects and Extensions	6/11 and following

**Timing may be adjusted at Instructor's discretion but NO SURPRISES! You'll have a warning. I will adjust based on guest speaker availability, mutual interest in a topic, and as needed. The day before the test is the last day for work for each unit. I will sometimes, but not always, grade your notes at my discretion.

Course Grading

Your final grade will be calculated from the weighted totals earned on your quizzes and exams (80%) and Practice work/Participation (20%). Your UWHS grade will be determined as follows:

Approximate Grading Scale (not all possible decimal grades are shown)

Average % Score	> 94.5	89.5	85	79.5	74.5	69.5	64.5	59.5	≤ 56.5
Grade	4.0	3.5	3.2	3.0	2.5	2.0	1.5	1.0	0.0
Letter Grade	A	A-	B+	B	B-	C	C-	D	F

Grades between 4.0 and 0.7 are passing; anything below 0.7 is a failing grade, recorded by UW as 0.

*ALL students are required to take the year-long, cumulative final exam in early June. We will be practicing for this exam all year so it is imperative that you complete test corrections and participate fully in class daily.

About UW in the High School (UWHS)

Since 1981, through UW in the High School (UWHS), the University of Washington has partnered with high schools across Washington state to offer UW courses for UW credit in the high school classroom. Courses are official UW courses, taught by the high school's own teachers, who have been approved and trained by UW faculty. Students in the UW course have the option to register to earn UW credit and will receive from the teacher a UWHS registration form and fact sheet, with all registration details and the deadline.

<https://www.uwhs.uw.edu/>

UW Academic Honesty Policy

Students registered for UW credit through UWHS are expected to adhere to the University's standards of academic honesty. This requires that students clarify assignments and procedures with their teachers, study diligently and seek help when they need it. Any suspected misconduct will be determined in collaboration with the appropriate UW academic unit and high school.

UW Disability Accommodations

For students registering for UW credit, any accommodations approved at your high school must also be approved for your UW courses by UW Disability Services Office. They can be contacted at dso@uw.edu, 206-543-6450 (voice) or 206-685-7264 (fax). Students, parents, or school staff can submit documentation (504 plan, IEP, or similar, as well as supporting documentation that outlines the diagnosis from an appropriate professional). The email/fax should also include the name and contact information for the most appropriate high school administrator (e.g., teacher, counselor, etc.). Once the DSO staff has reviewed and approved the documentation, they will include the administrator in their confirmation email.

UW Grades

You will earn both a high school grade and a UW grade for the course. The UW grade you receive will follow UW grade policies and might be different from the high school grade. Your final UW grade is recorded on your UW transcript, which is an official record of your UW coursework, grades, and credits. After the course is over, the teacher submits the UW grades to UW. Until that time, your UW transcript will show the UW course along with the grade of "X," which is a placeholder until the final UW grade is recorded. To confirm your UW grade, you can view your grades online through MyUW (which requires you to set up your UW NetID), order an official UW transcript, or ask your teacher. Grades cannot be mailed or provided over the phone.

Dropping a UW Course

If you registered to earn UW credit and find you're unable to complete your UW course or aren't doing well in the course, you can choose to be dropped. Dropping a course means you are no longer enrolled in the UW course and will not receive a UW grade or credit. You are, however, still enrolled in your high school course and will receive a high school grade and credit, unless you also withdraw from the class at the high school. Whether you are enrolled in a single UW course or more, you can request to be dropped from one course, some courses, or all courses. The deadline for requesting this drop is the last day of instruction noted at the top of this syllabus. If the course ends sooner than that date and/or a final UW grade is calculated by the teacher, then the UW course has ended and it is too late for students to drop. Details for dropping a course are on the UWHS website.