



2018- 2019 BIOTECHNICAL ENGINEERING SYLLABUS

Teacher: Mrs. Baseler

Email: basec001@hartfordschools.org

Office Hours/Extra Help: Thursdays 3:00-4:00 or by appointment/daily during activity block in media center

School: University High School of Science and Engineering 351 Mark Twain Dr Hartford, CT 06112

School website: <http://www.uhsse.org>

Class website: www.mrs-baseler.weebly.com

Main School Phone: (860) 695-9020

Classroom Phone: (860) 695-9095

Course Description:

In this class you will have the opportunity to research various topics of Biotechnical Engineering, and to prepare and deliver presentations to show what you have learned in your research. Most of your work will be done with a small group of your fellow students, and will primarily be completed in the classroom. Quizzes will be given at least once each week, and tests will be given as we complete projects and activities in each unit. An important part of science is thinking critically and making predictions. You will develop a scientific vocabulary but more importantly start questioning the ever changing world around you.

Standard Requirements

- Notebook to be brought to class daily.
- Students are responsible for all materials presented in class, including announcements about homework, tests, quizzes, special assignments, and modifications to the course

Materials: Students will need a one-inch or one and one half inch **3-ring binder**, (or a spiral bound notebook and folder), for notes, handouts and study guides (provided). This helps to organize quizzes and other materials for midterm and final exams. Notebooks will be collected and graded (test grade) each marking period. Black/Blue Pen or pencil required for each class.

Attendance:

Come to school every day and be on time. Good grades are a direct connection to regular attendance. If more than a one day absence is anticipated call the office to request that your assignments are brought to the main office for pick up. Tardiness interrupts the classroom presentation for all students and gravely jeopardizes the learning of the tardy student. When students are tardy they miss out on valuable instruction that is not possible to repeat because class instruction continues. Come to class on time - it is your job. Three tardies = one absence. Five absences in a quarter will result in an automatic 55 (even if your grade is a 90) and possible credit loss. Excessive tardiness may also result in credit loss.

Late/Missed Assignments/Exams:

Work turned in after a deadline - which is always considered the beginning of your class period on the due day- not the end of the day - is considered late and will be assessed a penalty of 10% per day based on the following criteria:

- Illness or excused emergency absence: No penalty. Work is due the day you return to school.
- Other planned absences such as field trips, scheduled doctor's appointments etc - **work is due on the original due date**. Please bring work in advance or on the day of the event.
- Homework that has been gone over in class will not be accepted late. Missed class activities (labs, exams, classwork) must be made up within 1 week. Note that lab work cannot always be made up and alternative assignments may be assigned to replace missed learning activities. Please make every effort to be in class on days that lab activities are scheduled.

Grading Policy:

Students are expected to carefully complete assignments. Work without a name will not be graded. Students must identify the work by writing at the top of the page: **first and last name, date, and class period.**

- **Tests:** Test will cover all readings and material that we go over in class including labs, activities, and homework. Study guides will be provided and review will be completed as a class. Tests will be announced in advance.
- **Quizzes:** You will be given at least one quiz per week. Most often they will be vocabulary combined with short answers to check that you are doing your reading and reviewing class concepts.
- **Homework:** Homework will take many forms, reading assignments, written responses, questions, and any number of reinforcing activities. Homework is expected the day it is due. To help students budget their time, homework is generally assigned at the beginning of the week with due dates throughout the week so students can work at their own pace around other commitments.
- **Projects/presentations/lab reports:** You will be assigned at least one project or presentation during each quarter. Specific requirements will be given with each project. A rubric will be provided to outline expectations.
- **Notebook:** To help with organization, students will maintain an organized binder. A table of contents will be maintained on the board in class. Students are responsible for all materials provided and discussed in class. Notebooks will be graded quarterly.
- **Classwork/Participation:** A participation grade will be given weekly to reflect the student's involvement in class discussions and activities and work completion.

Grade percentages will be based on performance in as follows:

Summative work: Projects, presentations, lab reports and tests:	=	30%
Formative work: Class work, Homework, quizzes,	=	50%
Preparedness and engagement: Participation, group work, class discussion, notebook	=	20%

Grades will be updated and available through PowerSchool Parent Portal.

<https://powerschool.hartfordschools.org/>

UHSSE Electronics Policy:

1. No charging phones in classroom
2. No phones, headphones, or earbuds in view without permission
3. Phones will be secured before assessments
4. No taking pictures or videos, or recording audio in class without permission

Consequences:

1. Verbal warning
2. Phone will be secured (placed in brown bag) and student will receive detention with phone call home
3. Multiple offenses or refusal to secure phone will result in a referral to administration with phone call home

Academic Integrity:

No cheating of any kind will be tolerated! You may not seek or receive any assistance from your peers while answering test and quiz questions. See me if there is anything you do not understand. When working on daily assignments you are expected to do your own work. While collaboration is encouraged, you may not copy another student's work. You may ask one of your peers for assistance in where to find an answer but this should not include the answer itself. **If you cheat, you will receive a zero for that grade whether you copied or allowed someone to copy your work.**

Classroom Rules, Routines and Policies:

Following these rules, routines, and policies will create a professional education environment that enhances the achievement of academic success. This is the goal. Enforcement of these rules takes away from instruction time. Violations will result in parent contact, detention during which students are expected to work in the classroom, and if repeated, administrative referral.

- ❖ Students are expected to be on time for class and be prepared by having a writing utensil, notebook and any assigned work.
- ❖ Students are expected to show respect for themselves, their peers, the school, property, visitors and the teacher or substitute.
- ❖ Students are expected to actively participate in all class activities throughout the class block. This includes warm up activities upon arrival to class, class work, homework, labs and projects.
- ❖ Often during the school day administrators may visit the classroom. Students may be asked to explain what you are doing in class that day. They are looking for you to explain the learning that is taking place. Please be sure to answer accordingly.
- ❖ Leave the classroom as neat as when you arrived. Some labs may be messy and it is your responsibility to clean any mess you make and organize materials.
- ❖ Lab safety is a major concern and failure to follow lab rules may result in removal from class and a failing grade. Lab goggles and/or aprons must be worn during most labs.
- ❖ All school rules are in effect in the science classroom. This includes uniform, behavior and electronic policies.
- ❖ Students will be issued a privilege (lavatory/locker) pass each marking period. It is expected that students will take care of personal needs on their time rather than class time. In case of emergencies, students will be allowed to leave the class a total of 10 times per marking period. To reward students who take care of their needs on their own time and do not lose valuable class time, 25 bonus points will be awarded for an unused privilege pass returned at the end of each marking period.
- ❖ I will assign seating in the classroom and change these seats as I see fit. If there is a problem with a specific seat you are in, please see me after class to address this issue.
- ❖ If you are not happy with your grade or have any other issues you feel need to be addressed, come and talk to me. There are no problems that we cannot resolve together.

The 3-B's should be followed in science and in all other classes:

Be Safe	Be Respectful	Be Responsible
Use all equipment and materials properly	Ask permission before using any equipment, computers, or books	Be in your seat before the bell rings
Keep hands and feet to yourself	Only talk when appropriate and use a quiet voice	Come to class with all required materials and pencils sharpened before the bell rings
Stay in your seat unless permitted to move	Use positive language	Complete assignments on time
Leave all food, gum, and drinks outside	Raise your hand and wait quietly for help	Go to the restroom before and after class.
Keep electronic devices at home or put away	Follow directions	Be in uniform

When a class rule is not followed, the following consequences are used to reinforce the desired behavior

1. Low-level intervention (I will look at you or stand near you in an attempt to redirect you without embarrassment)
2. Verbal warning
3. Teacher detention/parent contact
4. Administrative referral



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I'm looking forward to spending this year with you in UHSSE Biotechnical Engineering. Please do not hesitate to ask questions about anything you're having concerns about. If you think of something you would like to know more about or research on your own, please consider sharing your interest with the class.

Student

I _____ have read the "BioTechnical Engineering Course Syllabus". I understand what is expected of me and what I in turn can expect in the classroom. I agree to follow these expectations to the best of my ability. I also agree to accept the responsibility of consequences when I choose not to follow the "BioTechnical Engineering Course Syllabus". I will put in an honest effort, ask questions and seek assistance when necessary.

Student Signature; _____ Date: _____