**ENG 199 PB1 Introduction to Engineering Fall 2023 Syllabus**

Fridays, 8/25/2023 – 12/1/2023

3:00 – 4:50pm in 2320 Digital Computer Lab (DCL)

***This syllabus is subject to change with advance notice from the instructor.***

**Course Staff**

Instructor: Joan Brown ([jbrown76@illinois.edu](mailto:jbrown76@illinois.edu))

Office Hours: Wednesdays 11:00am – 12:00pm in 3262 Digital Computer Lab (DCL)

Course Assistants: Mallory Johnson ([mj43@illinois.edu](mailto:mj43@illinois.edu)) and Vinnie Kim ([vskim@illinois.edu](mailto:vskim@illinois.edu))

**Course Website**

All students should be auto-enrolled in the course’s Canvas page at <https://canvas.illinois.edu/courses/39378>. The page will be used for course announcements, assignment rubrics, submissions, and viewing grades.

**Course Objective**

In this course, students will gain the skills necessary to successfully work in groups to brainstorm ideas, read scientific literature, create milestone presentations, run experiments, and document the engineering design process to prepare for after graduation. This will include:

* A better understanding of scientific research and reading and writing in engineering
* Improve abilities in working with teams on semester-long projects
* Gain valuable presentation skills both in generating coherent visual aids and practicing public speaking techniques
* Hands on experience in design, implementation and testing of prototypes
* Communicating ideas to others in the form of budget sheets, timelines, lab reports, etc.

Students will be expected to work together with peers to brainstorm a semester long research project which will include dividing tasks out equally, communicating effectively with each other and to instructors, following proper safety protocol when constructing and designing prototypes, as well as completing all assignments on time, following all guidelines.

**Attendance**

Attendance at all scheduled classes is mandatory and essential for success in the course. Missing class will jeopardize a student’s ability to stay on track and contribute to their team’s progress. Moreover, circumstances occasionally occur where a student is unable to attend a class due to an unavoidable and excusable conflict such as a religious observance, illness, or family emergency. Students must contact the instructor Joan Brown at [jbrown76@illinois.edu](mailto:jbrown76@illinois.edu) as soon as possible if they will miss class. **More than 3 unexcused absences will result in an automatic letter grade drop.**

**Course Evaluation and Grading**

A: 90% - 100%

B: 80% - 89%

C: 70% - 79%

D: 60% - 69%

F: 0% - 59%

Rubrics will be shared in Canvas for all assignments. **Late assignments are not accepted without approval from the instructor prior to the deadline.**

* Attendance: 30 points, **missing more than 3 classes will result in an automatic letter grade drop**
* Project Proposal: 30 points
* Project Check-in: 30 points
* Final Presentation: 50 points
* Final Report and Peer Evaluation: 50 points
* Community Membership: 10 points

**Anti-Racism and Inclusivity**

This course is committed to the creation of an anti-racist, inclusive community that welcomes diversity along a number of dimensions, including, but not limited to, race, ethnicity and national origins, gender and gender identity, sexuality, disability status, class, age, or religious beliefs. This course recognizes that Black, Hispanic, and Indigenous voices and contributions have largely either been excluded from, or not recognized in, science and engineering, and that both overt racism and micro-aggressions threaten the well-being of our students and our university community. The effectiveness of this course is dependent upon each of us to create a safe and encouraging learning environment that allows for the open exchange of ideas while also ensuring equitable opportunities and respect for all of us. Everyone is expected to help establish and maintain an environment where students, staff, and faculty can contribute without fear of personal ridicule, or intolerant or offensive language. If you witness or experience racism, discrimination, micro-aggressions, or other offensive behavior, you are encouraged to bring this to the attention of the course director if you feel comfortable. You can also report these behaviors to Campus Belonging Resources (<https://diversity.illinois.edu/diversity-campus-culture/belonging-resources/>). Based on your report, Members of the Office of the Vice Chancellor for Diversity, Equity & Inclusion staff will follow up and reach out to students to make sure they have the support they need to be healthy and safe. If the reported behavior also violates university policy, staff in the Office for Student Conflict Resolution may respond as well and will take appropriate action.

**Academic Integrity**

The University of Illinois at Urbana-Champaign Student Code is considered a part of this syllabus. Students should pay particular attention to Article 1, Part 4: Academic Integrity. Read the Code at the following URL: <http://studentcode.illinois.edu/>.

Academic dishonesty may result in a failing grade. Every student is expected to review and abide by the Academic Integrity Policy: <https://studentcode.illinois.edu/article1/part4/1-401/>. Ignorance is not an excuse for any academic dishonesty. It is your responsibility to read this policy to avoid any misunderstanding. Do not hesitate to ask the instructor if you are ever in doubt about what constitutes plagiarism, cheating, or any other breach of academic integrity.

**Mental Health**

Significant stress, mood changes, excessive worry, substance/alcohol misuse or interferences in eating or sleep can have an impact on academic performance, social development, and emotional wellbeing. The University of Illinois offers a variety of confidential services including individual and group counseling, crisis intervention, psychiatric services, and specialized screenings which are covered through the Student Health Fee. If you or someone you know experiences any of the above mental health concerns, it is strongly encouraged to contact or visit any of the University’s resources provided below. Getting help is a smart and courageous thing to do for yourself and for those who care about you.

* Counseling Center (217) 333-3704
* McKinley Health Center (217) 333-2700
* National Suicide Prevention Lifeline (800) 273-8255
* Rosecrance Crisis Line (217) 359-4141 (available 24/7, 365 days a year)

If you are in immediate danger, call 911.

\*This statement is approved by the University of Illinois Counseling Center

**Community of Care**

As members of the Illinois community, we each have a responsibility to express care and concern for one another. If you come across a classmate whose behavior concerns you, whether in regards to their well-being or yours, we encourage you to refer this behavior to the Student Assistance Center (217-333-0050 or <http://odos.illinois.edu/community-of-care/referral/>). Based on your report, the staff in the Student Assistance Center reaches out to students to make sure they have the support they need to be healthy and safe.

Further, as a Community of Care, we want to support you in your overall wellness. We know that students sometimes face challenges that can impact academic performance (examples include mental health concerns, food insecurity, homelessness, personal emergencies). Should you find that you are managing such a challenge and that it is interfering with your coursework, you are encouraged to contact the Student Assistance Center (SAC) in the Office of the Dean of Students for support and referrals to campus and/or community resources.

**Students with Disabilities**

To obtain disability-related academic adjustments and/or auxiliary aids, students with disabilities must contact the course instructor as soon as possible and provide the instructor with a Letter of Academic Accommodations from Disability Resources and Educational Services (DRES). To ensure that disability-related concerns are properly addressed from the beginning, students with disabilities who require assistance to participate in this class should apply for services with DRES and see the instructor as soon as possible. If you need accommodations for any sort of disability, please speak to the instructor after class, during office hours, or make an appointment. DRES provides students with academic accommodations, access, and support services. To contact DRES, you may visit 1207 S. Oak St., Champaign, call 217-333-1970, e-mail disability@illinois.edu or visit the DRES website at <http://www.disability.illinois.edu/>. Here is the direct link to apply for services at DRES, <https://www.disability.illinois.edu/applying-services>.

**Disruptive Behavior**

Behavior that persistently or grossly interferes with classroom activities is considered disruptive behavior and may be subject to disciplinary action. Such behavior inhibits other students’ ability to learn and an instructor’s ability to teach. A student responsible for disruptive behavior may be required to leave class pending discussion and resolution of the problem and may be reported to the Office for Student Conflict Resolution ([https://conflictresolution.illinois.edu](https://conflictresolution.illinois.edu/); [conflictresolution@illinois.edu](mailto:conflictresolution@illinois.edu); 333-3680) for disciplinary action.

**Emergency Response Recommendations**  
Emergency response recommendations and campus building floor plans can be found at the following website: <https://police.illinois.edu/em/run-hide-fight/>. I encourage you to review this website within the first 10 days of class.

**Religious Observances**  
Illinois law requires the University to reasonably accommodate its students' religious beliefs, observances, and practices in regard to admissions, class attendance, and the scheduling of examinations and work requirements. Students should complete the [Request for Accommodation for Religious Observances](https://cm.maxient.com/reportingform.php?UnivofIllinois&layout_id=19) form should any instructors require an absence letter in order to manage the absence. In order to best facilitate planning and communication between students and faculty, students should make requests for absence letters as early as possible in the semester in which the request applies.

**Sexual Misconduct Reporting Obligation**

The University of Illinois is committed to combating sexual misconduct. Faculty and staff members are required to report any instances of sexual misconduct to the University’s Title IX and Disability Office. In turn, an individual with the Title IX and Disability Office will provide information about rights and options, including accommodations, support services, the campus disciplinary process, and law enforcement options.

A list of the designated University employees who, as counselors, confidential advisors, and medical professionals, do not have this reporting responsibility and can maintain confidentiality, can be found here: [wecare.illinois.edu/resources/students/#confidential](https://wecare.illinois.edu/resources/students/#confidential).

Other information about resources and reporting is available here: [wecare.illinois.edu](https://wecare.illinois.edu/).