

ENGR110/210 Pre-Enrollment Form - Winter 2024

Thank you so much for your desire to enroll in ENGR110/210, Perspectives in Assistive Technology.

Please carefully read and fill out this form to get basic information about the course so that you can make an informed enrollment decision. I will review the completed and submitted form and either contact you for more information or provide you with a permission number which will enable you to enroll on Axess, starting on Wednesday, November 29th.

* Indicates required question

--- About You

1. **Name ***

2. **Email address ***

3. **Academic Year ***

Mark only one oval.

- Freshman
- Sophomore
- Junior
- Senior
- Co-term
- Grad
- Post-doc
- DCI
- Other: _____

4. **Department / Program ***

Mark only one oval.

- Undeclared
- ME
- CS
- EE
- STS
- LDT
- HumBio
- BioE
- Symbolic Systems
- Other: _____

5. **Project Courses**

Identify all the project courses you are taking this Winter quarter

Check all that apply.

ME170

ME218

ME310

Other: _____

--- **About the Course**

6. **Axess Course Description for 2024**

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Seminar and student project course. Explores the medical, social, ethical, and technical challenges surrounding the design, development, and use of technologies that improve the lives of people with disabilities and older adults. Guest lecturers include engineers, designers, researchers, entrepreneurs, clinicians, and assistive technology users. Special activities include field trips to local facilities, an assistive technology faire, and a film screening. Students from any discipline are welcome to enroll. Three credit units for students (juniors, seniors, and graduate students preferred) who pursue a team-based assistive technology project with a community partner - enrollment is limited to 27. One credit unit for seminar attendance only (CR/NC) or individual project (letter grade). Projects can be continued as independent study in Spring Quarter. See [course website](#). Designated a Cardinal Course by the Haas Center for Public Service.

Mark only one oval.

Got it

7. **Overview**

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ENGR110/210 class sessions consist of semi-weekly guest lectures from engineers, designers, researchers, entrepreneurs, clinicians, and assistive technology users on a variety of interesting topics. Beyond these lectures, students can choose to engage in a team project (3 credit units) experience that includes project selection, understanding the problem, and designing, fabricating, testing, and refining a functional prototype. These students interact with users of assistive technology, design coaches, and project partners. Other students can choose to pursue individual projects (1 credit unit) that may not require fabrication skills or experience, including developing a CAD design or to writing a comprehensive report on an assistive technology product or organization that works with a person with a disability or an older adult. Finally, there is a lecture-only option (1 credit unit CR/NC) for students whose schedule does not permit working on a project.

Mark only one oval.

Ok

8. **ENGR210 vs ENGR110**

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Please note that if are a graduate student or need to take the course as an upper-level or upper-division course, please enroll in ENGR210. Other than the course number, ENGR210 is identical to ENGR110.

Mark only one oval.

Understood

9. **Approved Elective**

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Please note that only the 3 credit unit course option is an approved elective in several disciplines.

Mark only one oval.

Check

10. **Course Website** *

If you have not already done so already, please check out the course website.

There you will find:

the [course syllabus](#)

the [lecture schedule](#)

information about [student team projects](#) (3 credit units)

information on [individual projects](#) (1 credit unit)

[student comments](#) from last academic year

Mark only one oval.

Thanks

11. **Laptop Policy** *

Out of respect for the guest lecturers, the use of laptops, smartphones, and earbuds & headphones in the classroom is only permitted before class, during the Social Media Break, and after class. Students may use a tablet with a stylus to take notes. The Learning Hub's [Tech Desk](#) on the first floor of Lathrop Library allows students to checkout iPads at no cost. Please do not work on homework from other courses in the class session.

Mark only one oval.

Agreed

12. **Course Classroom and Start Time** *

Class sessions will be held in Lathrop Library, Room 282 starting promptly at 4:30pm on Tuesdays and Thursdays. Classroom location and accessibility information can be found [here](#).

Mark only one oval.

Great

13. **Required Attendance**

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Students taking the course for 3 credit units are required to attend all class sessions, while those taking the course for 1 credit unit are required to attend at least 15 class sessions. Accommodations to make up missed class sessions will be provided.

Mark only one oval.

Wonderful

14. **First Class Session**

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Attendance is required to the first class session on Tuesday, January 9th at 4:30pm PST. I will be presenting an overview of the course and a brief introduction to Assistive Technology including a definition of terms, demographics, goals of rehabilitation, perceptions of disability, the challenges of people experiencing disabilities, political correctness, numerous examples of assistive technology devices, and prior student projects

Mark only one oval.

Excellent

15. **Project Time Commitment**

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Please note that students are expected to work on their projects outside of class time. Past teams have reported that they have spent on average of 5 hours per week on their team projects. Project activities include: meeting with the project partner; designing, fabricating, and testing prototypes; meeting with instructor; preparing for mid-term and end-of-term project presentations; writing mid-term and end-of-term reports; composing an Individual Reflection; and responding to instructor's emails. There are no exams, quizzes, finals, or problem sets.

Mark only one oval.

Good to know

16. **Shop Skills and Fabrication Experience** *

Involvement in a team project will most likely require fabrication of a prototype device. It would be good if all team members have some shop skills such as those introduced in ME103.

Mark only one oval.

Super

17. **Shop Pass** *

Students working on team projects use the [Product Realization Lab](#) (PRL) facilities to fabricate their prototype devices. There is no fee for its use.

Mark only one oval.

Awesome

18. **Special Accommodation** *

Please let me know if you require a special accommodation.

Mark only one oval.

Will do

--- Your Decisions

19. **Select Course Number** *

Mark only one oval.

ENGR110 - Undergraduate students

ENGR210 - Graduate Students and those wishing to enroll as an upper-level or upper-division course.

20. **Select Enrollment Option** *

Indicate your enrollment option:

Mark only one oval.

- Team project (3 credit units)
- Individual project (1 credit unit with a letter grade)
- Lectures only (1 credit unit CR/NC)

21. **Wait List** *

In the event the enrollment limit for the team project (3 credit units) option is reached, you will be asked if you would like to be placed on a Wait List.

Mark only one oval.

- Alright

22. **Questions** *

I am curious how you found out about the course, why you decided to enroll, your fabrication skills/experience, your personal expectations for the course, and anything about yourself that you would like to share.

23. **Concerns**

Please express any concerns or questions about the course here and do not hesitate to contact me by email.

24. **Conclusion**

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I would also be pleased to meet with you before the start of the Winter Quarter.
I am looking forward to seeing you in class.

Dave Jaffe

[Course Instructor](#)

Mark only one oval.

Perfect

Submit

Please submit this form.

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