

2023FA - SC ROBOTICS DESIGN 16:332:595:01



Syllabus (*draft of 08/21/23*)

Course: Design Methods for Socially Cognizant Robotics

Canvas link (this page): <https://rutgers.instructure.com/courses/245833>
(<https://rutgers.instructure.com/courses/245833>)

Instructor: [Jacob Feldman \(Psychology, Cognitive Science\)](https://ruccs.rutgers.edu/jacob) [↗](https://ruccs.rutgers.edu/jacob) (<https://ruccs.rutgers.edu/jacob>)
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[↗](https://ruccs.rutgers.edu/jacob) (<https://ruccs.rutgers.edu/jacob>) **Class time and place:** Mondays and Thursdays, 10:20am-11:40am, ARC 333

- The first meeting of the course will be on **Thursday Sept. 7 at 10:20am in ARC 333.**

Course goals

This course is centered around a group research project or projects in the area of socially cognizant robotics (SCR). The aim of the course is for students who have completed coursework in SCR to apply what they have learned towards a practical project of some kind. The first few weeks of the course will be devoted to choosing and planning the project(s), and if necessary dividing up the students into project groups. Readings will be assigned as relevant topics arise. The rest of the course will be primarily devoted to carrying out and documenting the project(s).

An ideal SCR Design projects might consist of a robot designed to accomplish a particular task that is socially beneficial, involves social interaction with people, or otherwise represents a positive contribution to individual, community, and society. The goal is to complete the project(s) by the end of the term.

Course structure

- Thursday meetings of the course will be devoted to group discussions and project updates.
- Mondays will generally be reserved for in-person work on project tasks.


Milestones (tentative):

- Sept. 28: Project prospectus
- Nov. 2: Interim progress report
- Nov. 30: Draft project report
- Dec. 7: Final project report and demo











Grading will be based on






- Weekly individual contribution reports. Each student should write one paragraph describing how they advanced their project that week (due Thursdays by 9am).
- Final project report (due Dec. 7)

Academic integrity

Violations of academic integrity such as plagiarism will not be tolerated in this course. The general principle is that work submitted under your name should represent your own work. Submission of work substantially generated by AI chatbots is a form of plagiarism. The university's policy on academic integrity can be found [here](https://academicintegrity.rutgers.edu/)  (<https://academicintegrity.rutgers.edu/>).

Course Summary:

Date	Details	Due
Thu Sep 14, 2023	 Weekly assignment 1 https://rutgers.instructure.com/courses/245833/assignments/2686120	due by 9am
Thu Sep 21, 2023	 Weekly assignment 2 https://rutgers.instructure.com/courses/245833/assignments/2686123	due by 9am
Thu Sep 28, 2023	 Project prospectus https://rutgers.instructure.com/courses/245833/assignments/2790394	due by 9am
	 Weekly assignment 3 https://rutgers.instructure.com/courses/245833/assignments/2790396	due by 9am
Thu Oct 5, 2023	 Weekly assignment 4 https://rutgers.instructure.com/courses/245833/assignments/2786388	due by 9am
Thu Oct 12, 2023	 Weekly assignment 5 https://rutgers.instructure.com/courses/245833/assignments/2802086	due by 9am
Thu Oct 19, 2023	 Weekly assignment 6 https://rutgers.instructure.com/courses/245833/assignments/2810325	due by 9am
Thu Oct 26, 2023	 Weekly Assignment 7 https://rutgers.instructure.com/courses/245833/assignments/2817095	due by 9am
Sat Nov 4, 2023	 Interim Progress Report https://rutgers.instructure.com/courses/245833/assignments/2817101	due by 9pm
	 Weekly Assignment 8 https://rutgers.instructure.com/courses/245833/assignments/2817096	due by 9pm

Date	Details	Due
Thu Nov 9, 2023	 Weekly assignment 9 (https://rutgers.instructure.com/courses/245833/assignments/2825128)	due by 9am
Thu Nov 16, 2023	 Weekly assignment 10 (https://rutgers.instructure.com/courses/245833/assignments/2834067)	due by 9am
Mon Nov 20, 2023	 Weekly assignment 11 (https://rutgers.instructure.com/courses/245833/assignments/2839596)	due by 9am
Thu Nov 30, 2023	 Weekly assignment 12 (https://rutgers.instructure.com/courses/245833/assignments/2848912)	due by 9am
Thu Dec 7, 2023	 Final Project Report (https://rutgers.instructure.com/courses/245833/assignments/2857097)	due by 9am