

Stanford University
ENGR 319: Robotics and Autonomous Systems Seminar

Instructors:

Prof. Marco Pavone

Office: Durand room 261

Email: pavone@stanford.edu

Prof. Mark R. Cutkosky

Office: MERL room 132 (Bldg. 660)

Email: cutkosky@stanford.edu

Prof. Shuran Song

Office: Packard room 258

Email: shuran@stanford.edu

Organizers:

Rohan Sinha

Email: rhnsinha@stanford.edu

Chuer Pan

Email: chuerpan@stanford.edu

Hao Li

Email: li2053@stanford.edu

Yifan Hou

Email: yifanhou@stanford.edu

Location and time: Gates B01, Fridays, 15:00 - 16:00 pm, followed by the *Stanford Robotics Center Happy Hour at SRC (Packard basement) at 16:15 pm*

Units: 1.

Course websites: <http://robotics.stanford.edu/seminar>

Course Content: Seminar talks by researchers and industry professionals on topics related to modern robotics and autonomous systems. Broadly, talks will cover robotic design, perception and navigation, planning and control, and learning for complex robotic systems.

Prerequisites: Students should be interested in robotics research; prior or concurrent attendance of foundational courses in robotics and robot autonomy (e.g. CS223A and AA274) is highly recommended.

Course Grade: Attendance will be taken during the seminar by filling out the form at this link: <https://tinyurl.com/robosem-spring-2025>. Students must attend at least 7 of 9 talks during the quarter to receive credits. It is expected that a student should attend each seminar live, either via Zoom or in-person. There are two cases where a student may instead submit (via Canvas) a “late assignment,” which is a one paragraph review of the seminar:

1. If the student was unable to attend the seminar live, either in person or on Zoom.
2. If the student forgot to fill out the attendance form.

For multiple missed seminars, the student should write a one paragraph review for each seminar that is missed.

Please email CAs with the email title “ENGR319 missed seminars” to confirm when you need to submit a paragraph, either due to missing a seminar or if you forgot to fill out the attendance form.

Students with Documented Disabilities: Students who may need an academic accommodation based on the impact of a disability must initiate the request with the Office of Accessible Education (OAE). Professional staff will evaluate the request with required documentation, recommend reasonable accommodations, and prepare an Accommodation Letter for faculty dated in the current quarter in which the request is made. Students should contact the OAE as soon as possible since timely notice is needed to coordinate accommodations. The OAE is located at 563 Salvatierra Walk (phone: 723-1066, URL: <http://studentaffairs.stanford.edu/oae>).