EE / ME 5290 Mechanics & Control of Robotic Manipulators

Dr. Bob

Graduate Student Term Project

Fall 2025

Due Friday, December 5, 2025

NO LATE ASSIGNMENTS ACCEPTED!

You must work only singly.

As required by Ohio University, graduate students must complete extra work in a dual-listed course such as EE/ME~4290/5290. A semester-long problem-based learning (PBL) assignment worth 4 regular mini-projects must be completed. You must define your own project and have it approved by Dr. Bob.

The goal of the project is to have you investigate a robotics / haptics area of interest to your research, hopefully, and help you explore it in depth before your MS thesis. A side goal of this project is for you to teach Dr. Bob and the undergrads, and to get the undergrads excited about grad school. Undergraduate students do not need to complete this project.

Specific steps to complete

- 1. Define your project via a 1-page memo and APPROVE IT WITH DR.BOB <u>BEFORE</u> class on Friday September 19, 2025 (your project grade will be zero if your name is not on my paper by this deadline). Include detail including project idea, goals, specific work steps, and deliverables.
- 2. Keep Dr. Bob apprised of your progress; this is your responsibility.
- 3. Present your interim project results orally to the class on Wednesday October 22, 2025. Also, submit interim written report on this day. If you skip this interim written presentation and/or report, your maximum grade for the project will be 70%.
- 4. Present your project results orally to the class on Friday December 5, 2025 in class. This must be a professional presentation. The formal technical written report must also be submitted this day. If you skip this interim written presentation and/or report, your project grade will be 0.

Any questions, just ask!

Pace yourself to work every week. Report regularly to Dr. Bob.

Do not ask for an extension or an incomplete.