Industrial and Systems Engineering Senior Design

14:540:399 Senior Design
Department of Industrial & Systems Engineering · 2022 Spring

Course Topics:

Part I -   Planning for Design Project and review of projects from previous years

Part II -   Engineering Design – Science and Technology

Part III – Scientific methods in problem solving

      Networks, optimization and AI

      Machine Learning

Part III – Technology

      Python Programming

      Actuators and sensors and controls

REQUIRED TEXTBOOK:

All Python assignments will be submitted via zyBooks. The link to enroll will be made available before the first lecture on Python.

ATTENDANCE

ATTENDANCE is mandatory and will be taken every class. The TA should be notified via e-mail before class time for any absences for the absence to be excused. For scheduled absences such as conferences, the notification should be sent as early as possible.

COURSE DELIVERABLES & GRADING

Quizzes	20%
Assignments & Participation	10%
Mini Projects	45%
Design Project Phase I	25%