

Fall 2017 Course List

Updated August 2nd, 2017

Robotics Core:

- ROB 501: Math for Robotics (Grizzle)
- ROB 550: Robotics Systems Lab (Revzen & Gaskell)

Sensing:

- EECS 442: Computer Vision
- EECS 542: Advanced Topics in Computer Vision (Pilanci)
- ME 599/ NA 599/ ROB 599/EECS 498: Self Driving Cars: Perception and Control (Johnson-Roberson & Vasudevan)

Reasoning:

- AERO 552: Aerospace Information Systems (Jeannin)
- AERO 584: Navigation & Guidance of Aerospace Vehicles
- EECS 545: Machine Learning (Pilanci)
- EECS 550: Information Theory (Pradhan)
- EECS 592: Foundations of Artificial Intelligence (Laird)
- EECS 595: Natural Language Processing (Mihalcea)
- IOE 512: Dynamic Programming (Denton)
- IOE 536: Cognitive Ergonomics (Sarter)
- IOE 560: Bayesian Decision Analysis
- IOE 611: Nonlinear Programming (Epelman)

Acting:

- AERO 540 / ME 540: Intermediate Dynamics (Bernstein)
- EECS 461: Embedded Systems Control (Freudenberg)
- EECS 558: Stochastic Control (Teneketzis)

- EECS 398 / ME 567: Robot Kinematics and Dynamics (EECS 398 for Undergrad ONLY) (Jenkins)
- ME 552: Mechatronics (Awtar)
- ME 599/ NA 599/ ROB 599/EECS 498: Self Driving Cars: Perception and Control (Johnson-Roberson & Vasudevan)

Elective:

- EECS 492: Intro to AI (undergrad course) (Kuipers)
- EECS 498: Intro to Algorithmic Robotics (Berenson)
- EECS 501: Probability & Random Processes (Pradhan)
- EECS 560 / ME 564 / AERO 550: Linear Systems (Ozay)
- ME 552: Mechatronic Systems Design (Awtar)
- SI 561: Natural Language Processing