# 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