Fall 2019 Course List
Updated April 23, 2019

Robotics Core:

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

Sensing:

- EECS 442: Computer Vision (TBD)
- EECS 542: Advanced Topics in Computer Vision (TBD)
- EECS 551: Matrix Methods for Signal Processing (Fessler)
- ROB 535 / MECHENG 599/ NAVARCH 565/ EECS 498: Self-Driving Cars: Perception and Control (Johnson-Roberson & Vasudevan)

Reasoning:

- AEROSP 584: Navigation & Guidance of Aerospace Vehicles (Panagou)
- EECS 545: Machine Learning (Clayton)
- EECS 550: Information Theory (Pradhan)
- EECS 576: Advanced Data Mining (Koutra)
- EECS 592: Foundations of Artificial Intelligence (Durfee)
- EECS 598: Computational Modeling in Human-Computer Interaction (Banovic)
- IOE 536: Cognitive Ergonomics (Sarter)
- IOE 611: Nonlinear Programming (Epelman)
Acting:

- AEROSP 540 / MECHENG 540: Intermediate Dynamics (Bernstein)
- EECS 461: Embedded Systems Control (Freudenberg)
- EECS 560/ MECHENG 564 / AEROSP 550: Linear Systems Theory (Gillespie)
- MECHENG 461: Automatic Control (Rouse)
- ROB 510 / EECS 567 / MECHENG 567: Robot Kinematics and Dynamics (EECS 398 for Undergrad ONLY) (Jenkins)
- ROB 535/ MECHENG 599/ NAVARCH 565/ EECS 498: Self Driving Cars: Perception and Control (Johnson-Roberson & Vasudevan)

Elective:

- EEB 800: Comparative Biomechanics of Locomotion (Revzen)
- EECS 402: Programming for Scientists and Engineers (Morgan)
- EECS 501: Probability & Random Processes (Pradhan)
- ISD 599F: Vehicle Crashworthiness and Occupant Protection (Hu)
- ME 552: Mechatronic Systems Design (Awtar)
- TC 610: Academic and Professional Writing