Winter 2019 Course List

Updated January 16, 2019

Robotics Core

ROB 550: Robotics Systems Laboratory (Gaskell)

Sensing

CEE 575: Sensors, Data, and Smart Systems
CLIMATE 585: Introduction to Remote Sensing and Inversion
EECS 442: Computer Vision (Fouhey)
EECS 505: Computational Data Science and Machine Learning (Rao)
EECS 542: Advanced Topics in Computer Vision (Dhiman)
ROB 530/NAVARCH 568/EECS 568: Mobile Robotics (Ghaffari)

Acting

EECS 461: Embedded Control Systems (Cook)
EECS 464: Hands-on Robotics (Revzen)
EECS 561/MECHENG 561: Design of Digital Control Systems (Vasudevan)
EECS 562/AEROSP 551: Nonlinear Systems & Control (Panagou)
EECS 565/AEROSP 580: Linear Feedback Control (Freudenberg)
EECS 598: Special Topics: Motion Planning (Berenson)
MECHENG 542: Vehicle Dynamics (Orosz)
MECHENG 646: Human Movement (Rouse)
ROB 599/CEE 501/MECHENG 599: Dynamics and Control of Connected Vehicles (Orosz)
ROB 599/AEROSP 740: Experimental Unmanned Aircraft Systems (Atkins, Gaskell)

Reasoning

AEROSP 552: Aerospace Information Systems (Jeannin)
EECS 486: Information Retrieval & Web Search (Mihalcea)
EECS 548: Information Visualization (Kay)
EECS 592: Foundations of Artificial Intelligence (Durfee)
EECS 598: Special Topics: Motion Planning (Berenson)
EECS 598: Special Topics: Advanced Data Mining (Koutra)
EECS 598: Special Topics: Computational Data Science (Nadakuditi)
EECS 598: Special Topics: Deep Learning (Lee)
EECS 692: Advanced Artificial Intelligence (Laird)
IOE 434: Human Error and Complex System Failure (Sarter)
IOE 511: Continuous Optimization Methods (Epelman)
IOE 512: Dynamic Programming (Chao)

IOE 691: Approximation Algorithms (Naga)

Electives

AEROSP 585: Aerospace Seminar (Waas)
EECS 460: Control Systems Analysis and Design (Meerkov)
EECS 467: Autonomous Robotics (Jenkins)
EECS 501: Probability & Random Processes (Anastasopoulos)
EECS 560: Linear Systems Theory (Ozay)
EECS 586: Design & Analysis of Algorithms (Stout)
PSYCH 614: Advanced Statistical Methods (Gonzalez)
PUBPOL 754: Research Seminar in Science, Technology, and Public Policy
SPACE 565: Planetary Science (Atreya)