

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)