ROBOTICS
THE UNIVERSITY OF UTAH

Graduate Planning

ROBOTICS CORE * & ELECTIVE ** COURSE OFFERINGS

(Typically Offered) Fall Semester

MECHANICS

*** ROBOT 6000**
Robotics I:
Mechanics

**** ROBOT 7010**
System ID
(every odd Fall)

COGNITION

*** CS 6300**
Artificial
Intelligence

**** CS 6350**
Machine Learning

PERCEPTION

*** CS 6640**
Image
Processing

*** CS 6320**
Computer
Vision

**** CS 6353**
Deep Learning

****ECE 6530**
Digital Signal
Processing

ROBOT DESIGN

*** ROBOT 6960**
Wearable Robotics
(every even Fall)

**** ECE 6780/ CS 6780**
Embedded
System Design

**** ROBOT 6960**
Adv. Design in
Robotics Techniques
(every even Spring)

**** ROBOT 6960**
Medical Robotics
(every even Spring)

**** ROBOT 6500**
Adv. Mechatronics
(every even Spring)

HUMAN-ROBOT

**** ROBOT 6400**
NeuroRobotics
(every even Fall)

CONTROL

**** ME EN 6200/ ECE 6615**
Classical Control Sys

**** ME EN 7200**
Nonlinear Control

(Typically Offered) Spring Semester

CONTROL

*** ROBOT 6100**
Robotics II:
Control

**** ECE 6670**
Control of
Electric Motors

**** ME EN 6210 / ECE 6652**
Linear Sys & State
Space Control

**** ME EN 7210**
Optimal Control
(every even Spring)

COGNITION

*** ROBOT 6200**
Motion
Planning

**** CS 6350**
Machine Learning

HUMAN-ROBOT

**** ROBOT 7400**
Haptics
(every odd Spring)

MECHANICS

**** ROBOT 7000**
Robot Manipulation
(every odd Spring)

6/27/25