

Course Calendar

Week	Dates	Topic	Day 1	Day 2	Day 3
1	3/24/2025	GitHub	No Class	Survey, Setup PyCharm, Begin git. Branching. Day 1	git: commits, branches, pull-requests, working as a team, \ begin first git projects \ Day 2 (Day 1 Hartford)
2	3/31/2025	<i>Special Schedule</i> Introduction to OOP	Day 3 Introduction to OOP. Classes, Instances, init , self	Day 4 More with OOP. Creating Subclasses. NO HW Due	Spring Visits NEDCMP (No Class)
3	4/7/2025	<i>Special Schedule</i> Merging and Subclasses ROMI Driving	Day 5 Merging Subclassing	Day 6 Introduction to robot code. AutoInit, AutoPeriodic, Teleop Init Teleop Periodic	Day 7 Get ROMI Driving without Subsystems
4	4/14/2025	Review and Test	Day 8 Review for Test 1 NO HW Due	Day 9 Test 1	(WORLDS) (No Class)
5	4/21/2025	Encoders	Day 10 Intro to the Encoders NO HW Due	Day 11 Intro Commands and Subsystems	NO CLASS: Long Weekend
6	4/28/2025	<i>Special Schedule</i> Midterms Wednesday 11:30 pm Line Follower	Day 12 Work on LineFollower No Major Assignments	Day 13 Finish and Present Line Follower	Day 14 Unit Testing 1
7	5/5/2025	Unit Testing	Day 15 Unit Testing/MonkeyPatching	Day 16 Test 2 Review	Day 17 Test 2

Week	Dates	Topic	Day 1	Day 2	Day 3
8	5/12/2025	Feed Forward and PID Control	Day 18 Control Theory SysId and feed forward	Day 19 Control Theory 1 PID Control	Day 20 PID Control Drive to Distance
9	5/19/2025	Gyro and Program Flow	Day 21 Gyro Intro	Day 22 Drive to Turn	Day 23 Advanced Presentations
10	5/26/2025	Final Project	Day 24 Work on Final Project	Day 25 Work on Final Project	NO CLASS: Prize Day
11	6/2/2025	Final Project Presentations <i>Special Schedule</i>	NO CLASS	NO CLASS	TEE Thursday AM Final Project Demos

Introduction to Robot code (Timed Robot)