

## Course Calendar

Week	Topic	Day 1	Day 2	Day 3
1	Github/Python/ Object Oriented programming	Class introduction	More with OOP, methods, and __init__ also git: commits, branches, pull-requests, working as a team, issues	Working with a team in git, end of first git projects
2	Introduction to WPILIB and APIs	Introduction to poses. How are poses recorded, introduction to gyro and angles	<b>Spring Visits</b> How are robots programmed intro to the methods and file structure of common frc robots	<b>Spring Visits</b> Project 1: Programming ROMI to drive and implement one sensor or actuator
3	Introduction to Robot code (Timed Robot)	Class Time for Project 1	Review for Test 1	Test 1
4	Using Encoders and Gyros to update robot position			
5	Subsystems			<b>Midterm</b>
6	Unit Testing			<b>NO CLASS: Long Weekend</b>
7	Command Based Robot	Test 2	Introduction to Command Based Robot	Project 2: Work time
8	Autonomous Command Project 2 and PID Controllers	Project 2 Work time		
9	PID Controllers/Final Project			
10	Final Project			<b>NO CLASS: Prize Day</b>
11	Final Project Presentations	<b>TEE</b>	<b>NO CLASS</b>	<b>NO CLASS</b>