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	**Spring Visits** How are robots programmed intro to the methods and file structure of common frc robots	**Spring Visits** 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			**Midterm**
6	Unit Testing			**NO CLASS: Long Weekend**
7	Command Based Robot	Test 2	Introduction to Command Based Roobt	Project 2: Work time
8	Autonomous Command Project 2 and PID Controllers	Project 2 Work time		
9	PID Controllers/Final Project			
10	Final Project			**NO CLASS: Prize Day**

Week	Topic	Day 1	Day 2	Day 3
11	Final Project Presentations	**TEE**	**NO CLASS**	**NO CLASS**