Course Calendar

Week	Topic	Day 1	Day 2	Day 3
1	Github/Python/ Object Oriented programming	Class introduction	More with OOP, methods, and ___init___, methods, propperties. Begin git.	git: commits, branches, pull-requests, working as a team, begin first git projects
2	Introduction to WPILIB and APIs	End first project, and then work on uploading robotpy and wpilib	**Spring Visits** Introduction to poses. How are poses recorded, introduction to gyro and angles. 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		**DCMP**
4	Using Encoders and Gyros to update robot position	**No HW Due** Review for Test 1	Test 1	
5	Subsystems		**(WORLDS)**	**Midterm (WORLDS)**
6	Unit Testing			**NO CLASS: Long Weekend**
7	Command Based Robot	Test 2	Introduction to Command Based Robot	Project 2: Work time

Week	Topic	Day 1	Day 2	Day 3
8	Autonomous Command Project 2 and PID Controllers	Project 2 Work time		
9	PID Controllers/Final Project			
10	Final Project			**NO CLASS: Prize Day**
11	Final Project Presentations	**TEE**	**NO CLASS**	**NO CLASS**