Course Calendar

Week	Topic	Day 1	Day 2	Day 3
1	Github/Python/ Object Oriented programming	Classes 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
3	Introduction to Robot code (Timed Robot)	Intro Class Time for Project 1: LineFollower	More Time for LineFollower Project	**DCMP**
4	Using Encoders and Gyros to update robot position	**No HW Due** Review for Test 1 / Complete LineFollower	Test 1	Intro to the Gyro and Encoders
5	Encoders	Encoders	**(WORLDS)**	**Midterm (WORLDS)**
6	Gyro	Make up day	Gyro	**NO CLASS: Long Weekend**
7	Gyro, PID, and Protocols	Protocols, PIDControllers, and Gyro	Gyro Project Day 1	Gyro Project day 2
8	Unit Testing and PID Controllers	Test Review	Test 2	Unit Testing 1

Week	Topic	Day 1	Day 2	Day 3
9	Command Based Robot Autonomous Command Project 2	Unit Testing 2	Command Robot	Final project outline
10	Final Project	Final Project	Final Project	**NO CLASS: Prize Day**
11	Final Project Presentations	**TEE**	**NO CLASS**	**NO CLASS**