

Calendar

	Tuesday			Thursday		HW Due
1	01/16/24	No Class (Late Start)		01/18/24	Introduction and Nomenclature	
2	01/23/24	Coordinate Frames (4.1, 4.4, App. A.4)		01/25/24	Kinematics (4.1, 4.4)	W1
3	01/30/24	Dynamics (4.2-4.3,4.5,4.7)		02/01/24	Quadrotor Dynamics	P1
4	02/06/24	Linearizing Dynamic Systems		02/08/24	Quadrotor stabilization and control	W2
5	02/13/24	Quadrotor Guidance		02/15/24	Longitudinal Forces and Moments (2.1-2.3)	P2
6	02/20/24	Longitudinal Trim and Stability (2.4)		02/22/24	Exam 1	
7	02/27/24	Longitudinal Stability Derivatives (5.1-5.5)		02/29/24	Longitudinal Linear Model (4.9-4.10)	W3
8	03/05/24	Longitudinal Modes (6.2)		03/07/24	Mode Approximations (6.3)	P3
9	03/12/24	Longitudinal Control (7.1-7.7)		03/14/24	Lateral Forces and Moments	W4
10	03/19/24	Exam 2		03/21/24	Dihedral Effect (5.6-5.9)	
	03/26/24			03/28/24		
11	04/02/24	Coordinated Turn (3.8-3.13)		04/04/24	Lateral Modes (6.7)	P4
12	04/09/24	Lateral Modal Approximations (6.8)		04/11/24	Lateral Stability Augmentation (7.8-7.12)	W5
13	04/16/24	Lateral Guidance and Control (8.1-8.9)		04/18/24	Introduction to Optimal Control (LQR)	W6
14	04/23/24	Human Factors (1.3-1.5)		04/25/24	Atmosphere and Wind (6.9)	P5
15	04/30/24	Review		05/02/24	Review	
	05/07/24	Final Exam 7:30-10pm				