

Calendar

	Tuesday			Thursday			HW Due
1	01/14/25	Introduction and Nomenclature		01/16/25	Coordinate Frames (4.1, 4.4, App. A.4)		
2	01/21/25	Kinematics (4.1, 4.4)		01/23/25	Dynamics and Quadrotors (4.2-4.3,4.5,4.7)		W1
3	01/28/25	Quadrotor Linear Model		01/30/25	Solutions to Linear ODEs	G	P1
4	02/04/25	Quadrotor Control I		02/06/25	Quadrotor Control II		W2
5	02/11/25	Longitudinal Forces and Moments (2.1-2.3)		02/13/25	Exam 1		
6	02/18/25	Longitudinal Trim and Stability (2.4)		02/20/25	Longitudinal Stability Derivatives (5.1-5.5)		P2
7	02/25/25	Longitudinal Linear Model (4.9-4.10)		02/27/25	Longitudinal Modes (6.2)		W3
8	03/04/25	Guest: Sean Humbert: Flight in Nature (?)	G	03/06/25	Guest: Mark Boyer on Human Factors	G	W4
9	03/11/25	Longitudinal Mode Approximations (6.3)		03/13/25	Longitudinal Control (7.1-7.7)		W5
10	03/18/25	Lateral Forces, Dihedral Effect (5.6-5.9)		03/20/25	Exam 2		
	03/25/25			03/27/25			
11	04/01/25	Coordinated Turn (3.8-3.13)		04/03/25	Lateral Modes (6.7)		P3
12	04/08/25	Lateral Modal Approximations (6.8)		04/10/25	Lat. Control and Transfer Functions (7.8-7.12)		W6
13	04/15/25	Automatic Flight Control Systems (I) (8.1-8.9)		04/17/25	Automatic Flight Control Systems (II)		W7
14	04/22/25	Automatic Flight Control Systems (III)		04/24/25	Introduction to Optimal Control (LQR)		P4
15	04/29/25	Review		05/01/25	Review		
	05/03/24	Final Exam 1:30 – 4 pm					