

# CALENDAR OF TOPICS

## FALL 2023

MONDAY	WEDNESDAY	FRIDAY
CALENDAR SUBJECT TO CHANGE.	8/23 Ch. 2.1 -2.4 Units and Kinematics	8/25 151 Review, TM5 Ch. 2.1 -2.4 a = a <sub>0</sub> : Projectiles & Circles
8/28 151 Review, TM5 Ch. 2.4 a = a <sub>0</sub> : Projectiles & Circles	8/30 151 Review, TM5 Ch. 2.4 Linear Dynamics	9/1 151 Review, TM5 Ch. 2.4 Linear Dynamics
9/4 151 Review, TM5 Ch. 2.4 Rotational Dynamics	9/6 151 Review, TM5 Ch. 2.4 Rotational Dynamics	9/8 151 Review, TM5 Ch. 2.4 Rotational Dynamics
9/11 151 Review, TM5 Ch. 2.4 Static Equilibrium	9/13 151 Review, TM5 Ch. 2.4 F = F(v): Drag	9/15 TM5 Ch. 2.5 Conservation Laws
9/18 TM5 Ch. 2.5 Conservation Laws	9/20 Equinox 9/22 9:03 pm TM5 Ch. 2.5 Equilibrium & Stability	9/22 Equinox 9/23 2:49 am TM5 Ch. 2 Catch-up & Review
9/25 151 Review & TM5 Ch. 2 Exam 1 (BP + TH)	9/27 TM5 Ch. 3.1-3.2 Simple Harmonic Motion	9/29 TM5 Ch. 3.5 Damped Oscillations: Underdamped Motion
10/2 TM5 Ch. 3.5 Damped Oscillations: Underdamped Motion	10/4 TM5 Ch. 3.5 Damped Oscillations: Critical & Overdamped Motion	10/6 TM5 Ch. 3.5 Damped Oscillations: Critical & Overdamped Motion
10/9 TM5 Ch. 3.5 Driven Harmonic Oscillations	10/11 TM5 Ch. 3.5 Driven Harmonic Oscillations	10/13 <b>Fall Break</b>
10/16 TM5 Ch. 3.6 Resonance	10/18 TM5 Ch. 3.7 Electrical Oscillations	10/20 TM5 Ch. 4.4 The Plane Pendulum
10/23 TM4 Ch. 3 & 4 Catch-up & Review	10/25 TM5 Ch. 6.1-2 The Calculus of Variations	10/27 TM5 Ch. 6.3 The Brachistochrone
10/30 TM5 Ch. 3 & 4 Exam 2 (BP + TH)	11/1 TM5 Ch. 6.4-6 The Geodesic & Constraints	11/3 TM5 Ch. 6.7.1-2 Hamilton's Principle
11/6 TM5 Ch. 7.1-2 Lagrange's Equations in Generalized Coordinates	11/8 TM5 7.3-4 Lagrange's Equations with Undetermined Multipliers	11/10 TM5 7.3-4 Hamilton's Equations
11/13 TM5 Ch. 7.10 Hamilton's Equations	11/15 TM5 Ch. 7.10, 9.11 Rocket Science	11/17 TM5 Ch. 9.11 Rocket Science
11/20 ←	11/22 <b>THANKSGIVING BREAK</b>	11/24 →
11/27 TM5 Ch. 10.1-3 Orbital Transfers	11/29 TM5 Ch. 10.1-3 Motion Relative to Earth	12/1 TM5 Ch. 10.4 Motion Relative to Earth
12/4 TM5 Ch. 10.4 Motion Relative to the Earth	12/6 Review	<i>Reading Day</i>

**FINAL EXAM:**  
**WEDNESDAY, DECEMBER 13, 8:30 AM**