

CALENDAR OF TOPICS

FALL 2024

MONDAY	WEDNESDAY	FRIDAY
CALENDAR SUBJECT TO CHANGE.	8/28 Ch. 2.1 -2.4 Units and Kinematics	8/30 151 Review, TM5 Ch. 2.1 -2.4 a = a ₀ : Projectiles & Circles
9/2 151 Review, TM5 Ch. 2.4 a = a ₀ : Projectiles & Circles	9/4 151 Review, TM5 Ch. 2.4 Linear Dynamics	9/6 151 Review, TM5 Ch. 2.4 Linear Dynamics
9/9 151 Review, TM5 Ch. 2.4 Rotational Dynamics	9/11 151 Review, TM5 Ch. 2.4 Rotational Dynamics	9/13 151 Review, TM5 Ch. 2.4 Rotational Dynamics
9/16 151 Review, TM5 Ch. 2.4 Static Equilibrium	9/18 151 Review, TM5 Ch. 2.4 Static Equilibrium	9/20 Equinox 9/22 8:43 am TM5 Ch. 2.5 F = F(v): Drag
9/23 TM5 Ch. 2.5 Conservation Laws	9/25 TM5 Ch. 2.5 Conservation Laws	9/27 TM5 Ch. 2 Equilibrium & Stability
9/30 151 Review & TM5 Ch. 2 Equilibrium & Stability and Catch-up & Review	10/2 TM5 Ch. 3.1-3.2 Simple Harmonic Motion	10/4 TM5 Ch. 3.1-3.2 Simple Harmonic Motion
10/7 TM5 Ch. 3.5 Damped Oscillations: Underdamped Motion	10/9 TM5 Ch. 3.5 Exam 1 (BP & TH)	10/11 TM5 Ch. 3.5 Damped Oscillations: Underdamped Motion
10/14 TM5 Ch. 3.5 Damped Oscillations: Critical & Overdamped Motion	10/16 TM5 Ch. 3.5 Driven Harmonic Oscillations	10/18 <i>Fall Break</i>
10/21 TM5 Ch. 3.6 Driven Harmonic Oscillations & Resonance	10/23 TM5 Ch. 3.7 Electrical Oscillations	10/25 TM5 Ch. 4.4 The Plane Pendulum
10/28 TM4 Ch. 3 & 4 Catch-up & Review	10/30 TM5 Ch. 6.1-2 The Calculus of Variations	11/1 TM5 Ch. 6.3 The Brachistochrone
11/4 TM5 Ch. 3 & 4 Exam 2 (BP + TH)	11/6 TM5 Ch. 6.4-6 The Geodesic & Constraints	11/8 TM5 Ch. 6.7.1-2 Hamilton's Principle
11/11 TM5 Ch. 7.1-2 Lagrange's Equations in Generalized Coordinates	11/13 TM5 7.3-4 Lagrange's Equations with Undetermined Multipliers	11/15 TM5 7.3-4 Hamilton's Equations
11/18 TM5 Ch. 7.10 Hamilton's Equations	11/20 TM5 Ch. 7.10, 9.11 Rocket Science	11/22 TM5 Ch. 9.11 Rocket Science
11/25 ←	11/27 THANKSGIVING BREAK	11/29 →
12/2 TM5 Ch. 10.1-3 Orbital Transfers	12/4 TM5 Ch. 10.1-3 Motion Relative to Earth	12/6 TM5 Ch. 10.4 Motion Relative to Earth
12/9 TM5 Ch. 10.4 Motion Relative to the Earth	12/11 Review	<i>Reading Day</i>

FINAL EXAM:
WEDNESDAY, DECEMBER 18, 8:30 AM