

General Physics

Tentative Course Schedule

Kinematics			
August	27	Mass Challenge	Chapter 1
	29	Interactions – momentum	
	31	Velocity – Δt ; Group Problem	
September	3	No Class – Labor Day	Chapter 2
	5	Momentum Principle	
	7	Physical Models	
	10	Fundamental Interactions	Chapter 3
	12	Conservation of Momentum	
	14	Force (gravity); Group Problem	
	17	Contact Interactions, friction	Chapter 4
	19	Interatomic bonds, strain & stress	Quiz 1
	21	Friction; Group Problem	
	24	Forces on a System	Chapter 5
	26	Rate of Change of Momentum – dp/dt	Exam 1 (C1-C4)
	28	Group Exam 1	
October	1	Curvilinear motion	Chapter 6
	3	Energy Principle	
	5	Work and Energy; Group Problem	
	8	Potential Energy I	Chapter 7
	10	Potential Energy II	Quiz 2
	12	Energy; Group Problem	
	15	No Class – Fall Breather	
	16	No Class – Fall Breather	
	17	Internal Energy and Thermal Energy	
	19	Energy and Power; Group Problem	
	22	Energy Quantization – Photoelectric Effect	Chapter 8
	24	Translational, Rotational and Vibrational	Exam 2 (C5-C7)
	26	Group Exam 2	
	29	Multiparticle Systems	Chapter 9
	31	Rotational Energy	
November	2	Center of Mass; Group Problem	
	5	Collisions and Frame of Reference	Chapter 10
	7	Scattering – elastic and inelastic	
	9	Collisions – size of atom; Group Problem	

	12	Angular Momentum	Chapter 11
	14	Fundamental Principles of Mechanics	Exam 3 (C8-C10)
	16	Group Exam 3	
	19	Torque	Quiz 3
	21	No Class – Thanksgiving	
	23	No Class – Thanksgiving	
	26	Entropy and Statistical model of solids	Chapter 12
	28	Temperature and Specific Heat Capacity	
	30	Heat Capacity; Group Problem	
December	3	Gases, Solids and Liquids	Chapter 13
	5	Pressure and Temperature	
	7	Post-test and Review	
	10	Group Exam 4	
	12	Study Day	Optional Course Review
Monday	17	Final Exam – 12:00 pm	Comprehensive Exam

The Department of Physics and Astronomy has help sessions for both programming as well as homework problems.

The Academic Support Center (ASC) provides tutoring for many classes through the Academic Assistant Program (AAP). Stop by the ASC located in Flora-Frick Hall 154 to complete a tutor request form. Tutors are assigned on a first come first serve basis.