

**Detailed course schedule, PHYS 231N**  
**University Physics, Prof. Satogata**  
**Old Dominion University, Fall 2012**

**All exam dates will be confirmed at least one week in advance**

Chapter numbers refer to Essential University Physics (Wolfson, 2nd ed)

		chapter	
M	27-Aug	1	Introduction, units, measurements
W	29-Aug	2	Velocity, acceleration, gravity
F	31-Aug	quiz 2	Velocity, acceleration, gravity
M	3-Sep		<b>NO CLASS (Labor Day)</b>
W	5-Sep	3	Motion in 2D and 3D
F	7-Sep	quiz 3	Constant acceleration, projectiles
M	10-Sep	3	Constant acceleration, projectiles
W	12-Sep	3	Uniform circular motion
F	14-Sep	quiz 3	Circular motion
M	17-Sep	5 (2-4)	Newton's laws, Review
W	19-Sep	EXAM 1-4	
F	21-Sep	5	Newton's laws applied
M	24-Sep	5	More Newton's laws applied
W	26-Sep	6	Work and power
F	28-Sep	quiz 6	Kinetic, potential energy
M	1-Oct	7	Energy conservation
W	3-Oct	7	Energy conservation
F	5-Oct	quiz 8	Gravity
M	8-Oct		<b>NO CLASS (Fall holiday)</b>
W	10-Oct	8	Gravity and fundamental forces
F	12-Oct	quiz 9	Center of mass
M	15-Oct	9	Momentum and collisions
W	17-Oct	EXAM 6-9	
F	19-Oct	10	Rotational motion
M	22-Oct	10	Rotational inertia
W	24-Oct	10-11	Rolling motion, start angular momentum
F	26-Oct	quiz 11	Angular momentum
M	29-Oct	11	Torque and gyroscopes
W	31-Oct	12	Static equilibrium
F	2-Nov	quiz 12	Statics in engineering
M	5-Nov	13	Simple harmonic oscillators
W	7-Nov	13	Simple harmonic oscillators
F	9-Nov	quiz 13	Damped/driven harmonic oscillators
M	12-Nov	14	Waves, wavelength, frequency
W	14-Nov	14	Interference, reflection, refraction
F	16-Nov		REVIEW
M	19-Nov	EXAM 10-14	<b>Homework journals due</b>
W	21-Nov		<b>NO CLASS (Thanksgiving)</b>
F	23-Nov		<b>NO CLASS (Thanksgiving)</b>
M	26-Nov	14	Waves review
W	28-Nov	15	Fluid motion (briefly)
F	30-Nov	quiz 16	Definitions of temperature
M	3-Dec	16-17	Gases and thermal behavior
W	5-Dec		Catchup
F	7-Dec	All	<b>REVIEW</b>
M	10-Dec	FINAL ---	<b>FINAL EXAM</b> <b>08:30-11:30</b>