Physics 211
Syllabus

1/17/2006

Richard Raspet

Phone: 662-915-5888 (NCPA)

E-Mail: raspet@olemiss.edu

Offices: 2018 NCPA MWF 8:00 – 9:45, 2:00-3:00 or by calling 915-5888 for an appointment.

109 Lewis Hall – Physics TT - 9:00 – 10:00
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Text: *Fundamentals of Physics 7th Edition* Halliday, Resnick and Walker

Supplies: Calculator, protractor/ruler combination, paper, pencil brought to class every day - metric rulers are easier to use for scale drawings.

Grading:

3	Tests
1	Quiz average (4/5)
2	Homework average
1	Final
8	

100-87.5	A
87.5-75	B
75-62.5	C
62.5-50	D
<50	F

Homework: Each problem turned in should present the question posed in abbreviated form. Drawing a picture or diagram is usually the best first step in solving any physics problem. Each step in your solution should be clearly presented. Working in pencil is strongly encouraged so that you can erase mistakes. You should be able to pick up your homework and understand what you did without referring back to the book when you are studying for tests. Jumbled messes with correct answers will not receive any credit.

Academic Regulations:

Regular attendance is expected. Every class is important. Please do not come late. Homework is to be turned in at the beginning of class. Missing any class is discouraged. The attendance policy is that every absence after 3 will count off 1/3 of a letter grade off the final average.

Web site for correct time:

http://nist.time.gov/timezone.cgi?Central/d/-6

Physics - An attempt to understand the universe

Physics 211 Goals:

1. Learn mechanics
2. Develop problem solving skills
3. Hone critical thinking
4. Satisfy your curiosity

The syllabus below is subject to change to accommodate instruction and/or student needs.

Date	Chapter	Homework Due
Jan 17	Introduction/Evaluation/ Ch 1 Measurement	
Jan 19	Ch 2 Motion in 1-D, Velocity, Acceleration	Ch 1 HW
Jan 24	Ch 2 1-D motion examples, Ch 3 Vectors	
Jan 26	Ch 3 Use of components for vectors	Ch 2 HW
Jan 31	Ch 4 Motion in 2 and 3 Dimensions	Ch 3 HW
Feb 2	Ch 4 continued, Ch 5 Force and Motion I	**Quiz 1**
Feb 7	Ch 5 Force and Motion I	Ch 4 HW
Feb 9	Ch 6 Force and Motion II	**Quiz 2**
Feb 14	Ch 7 Kinetic Energy and Work	Ch 5 HW
Feb 16	Ch 7 Kinetic Energy and Work, Ch 8 Potential energy	Ch 6 HW
Feb 21	Ch 8 Potential Energy and Conservation of Energy	
Feb 23	**Test 1, Chapters 1-6**	**Test 1**
Feb 27	Last day to drop	
Feb 28	Ch 8 Potential Energy and Conservation of Energy	Ch 7 HW
March 2	Ch 9 Center of Mass, Momentum	Ch 8 HW
March 7	Ch 9 Momentum, Conservation laws	
March 9	Ch 9 Conservation laws, Ch 10 Rotation, moment of inertia	**Quiz 3**
March 13 - 17	Spring Break	
March 21	Ch 10 Rotation, moment of inertia, Ch 11 Rolling,	Ch 9 HW
March 23	Ch 10 Rolling energy, Ch 11 Torque, Angular Momentum	**Quiz 4**
March 28	Ch 11 Torque, Angular Momentum	Ch 10 HW
March 30	Ch 12 Equilibrium and Elasticity	Ch 11 HW
April 4	Ch 13 Gravitation	
April 6	**Test 2, Chapters 7 - 11**	**Test 2**
April 11	Ch 13 Gravitation	Ch 12 HW
April 13	Ch 14 Fluids	Ch 13 HW
April 18	Ch 14 Fluids, Ch 15 Oscillations	Ch 4 HW
April 20	Ch 15 Oscillations	**Quiz 5**
April 25	Ch 16 Waves I	Ch 15 HW
April 27	Ch 16 Waves I, Ch 17 Waves II	
May 2	**Test 3, Chapters 12 -15**	**Test 3**
May 4	Ch 17 Waves II	Ch 16 HW
	Final Exam	