

PHYSICS 193H – Spring 2002
Course Schedule

Date	Topics	Reading	Assignment
1-7 (Mon)	Introduction	Chapter 1.1-1.7	A-1, Due 1-11
1-9 (Wed)	Linear Motion 1	Chapter 2.1-2.2	
1-11 (Fri)	Linear Motion 2	Chapter 2.3-2.4	A-2, Due: 1-18
1-14 (Mon)	Linear Motion 3	Chapter 2.5-2.6	
1-16 (Wed)	Two-Dimensional Motion 1	Chapter 3.1-3.2	
1-18 (Fri)	Two-Dimensional Motion 2	Chapter 3.3-3.4	A-3, Due: 1-25
1-21 (Mon)	<i>Martin Luther King Holiday</i>		
1-23 (Wed)	Two-Dimensional Motion 3	Chapter 3.5-3.6	
1-25 (Fri)	Newtons Laws 1	Chapter 4.1-4.3	A-4, Due: 2-1
1-28 (Mon)	Newtons Laws 2	Chapter 4.4-4.6	
1-30 (Wed)	Newtons Laws 3	Chapter 4.7-5.1	
2-1 (Fri)	Newtons Laws 4	Chapter 5.2-5.3	A-5, Due: 2-8
2-4 (Mon)	Newtons Laws 5	Chapter 5.4-5.5	
2-6 (Wed)	<i>Review</i>		
2-8 (Fri)	Exam I	-	Partial Credit, Due: 2-16
2-11 (Mon)	Work & Kinetic Energy 1	Chapter 6.1-6.2	
2-13 (Wed)	Work & Kinetic Energy 2	Chapter 6.3-6.4	
2-15 (Fri)	Work & Kinetic Energy 3	Chapter 6.5-6.7	A-6, Due: 2-22
2-18 (Mon)	Potential Energy & Energy Conservation 1	Chapter 7.1-7.3	
2-20 (Wed)	Potential Energy & Energy Conservation 2	Chapter 7.4-7.5	
2-22 (Fri)	Linear Momentum 1	Chapter 8.1-8.2	A-7, Due: 3-1
2-25 (Mon)	Linear Momentum 2	Chapter 8.3-8.4	
2-27 (Wed)	Linear Momentum 3	Chapter 8.5-8.6	
3-1 (Fri)	Linear Momentum 4	Chapter 8.7-8.8	A-8, Due: 3-15
3-4 – 3-8	<i>Spring Break</i>		
3-11 (Mon)	Rotational Motion 1	Chapter 9.1-9.3	
3-13 (Wed)	Rotational Motion 2	Chapter 9.4-9.6	
3-15 (Fri)	Rotational Motion 3	Chapter 9.7-10.1	A-9, Due: 3-22
3-18 (Mon)	Rotational Motion 4	Chapter 10.2-10.4	
3-20 (Wed)	<i>Review</i>		
3-22 (Fri)	Exam II	-	Partial Credit, Due: 3-29
3-25 (Mon)	Rotational Motion 5	Chapter 10.5-10.7	
3-27 (Wed)	Statics 1	Chapter 11.1-11.2	
3-29 (Fri)	Statics 2	Chapter 11.3-12.1	A-10, Due: 4-5
4-1 (Mon)	Gravitation 1	Chapter 12.2-12.4	
4-3 (Wed)	Gravitation 2	Chapter 12.5-12.7	
4-5 (Fri)	Simple Harmonic Motion 1	Chapter 13.1-13.2	A-11, Due: 4-12
4-8 (Mon)	Simple Harmonic Motion 2	Chapter 13.3-13.5	
4-10 (Wed)	Simple Harmonic Motion 3	Chapter 13.6-13.8	
4-12 (Fri)	Waves 1	Chapter 14.1-14.2	A-12, Due: 4-19
4-15 (Mon)	Waves 2	Chapter 14.3-14.4	
4-17 (Wed)	<i>Review</i>		
4-19 (Fri)	Exam III	-	Partial Credit, Due: 4-26
4-22 (Mon)	Superposition & Interference 1	Chapter 15.1-15.2	
4-24 (Wed)	Superposition & Interference 2	Chapter 15.3-15.5	
4-26 (Fri)	Superposition & Interference 3	Chapter 15.6-15.8	
4-29 (Mon)	Final Exam 7:45am - 9:45am		

PHYSICS 193H
Honors Physics I - Mechanics
Spring 2002
General Information

- **Course Outline:** Classical mechanics and waves
- **Lecturer:** Prof. Georg Bollen
 - Office: W-103 Cyclotron Laboratory
 - Phone: 5-9672 ext 345 e-mail: bollen@nscl.msu.edu
 Co-Lecturer: Dr. Thomas Baumann
- **Lectures:** Monday, Wednesday, Friday, 10:20 - 11:10, PA118.
- **Recitations:** Tuesday, 10:20 - 11:10
 Section 1: PA120
 Section 2: PA317
- **Office Hours:** Friday 1:00 - 2:00 pm and by appointment
- **Textbook:** 'Physics for Scientists and Engineers'
 by Fishbane, Gasiorowicz & Thornton, Prentice Hall
- **Homework:** There will be 12 homework assignments, which are due on Fridays at 10:15 am (see course schedule). Students are encouraged to use MSU's *CAPA* system. A student may enter solutions to questions and problems and know immediately if they are right. There is no penalty for wrong answers and credit is earned for all correct answers entered before the due date of the assignment. If you do not use *CAPA* you hand in your problem solutions together with the assignment sheet at the beginning of class on Fridays in the usual way.
- **Help:** A TA will be available for homework questions at times to be announced. In addition, we will set up a discussion forum within *CAPA* where students can post and answer questions. A TA will also be online to answer questions and discuss problems (times to be announced).
- **Reading:** You are expected to read the chapters listed in the course schedule prior to each lecture.
- **Quizzes:** There will be unannounced short quizzes during lectures.
- **Exams:** There will be three hour exams and one final exam. The final grades will be calculated from the Homework assignments (28%), Quizzes (5%), Midterms (11% each), and the Final exam (34%).
- **Grades:**

$x = \% \text{ of total points}$	Final Grade
$90 \leq x \leq 100$	4.0
$83 \leq x < 90$	3.5
$76 \leq x < 83$	3.0
$70 \leq x < 76$	2.5
$64 \leq x < 70$	2.0
$58 \leq x < 64$	1.5
$52 \leq x < 58$	1.0
$0 \leq x < 52$	0.0