

Green Sheet
PHYS52 University Physics II: Lectures and Tutoring Sections
Fall 2006, San Jose State University

Course	Sec	Code	Days	Start	End	Location	Instructor
PHYS 52	03	42112	TR	13:30	14:45	SCI 258	ERADAT

Lecturer: Dr. Nayer Eradat Office: Science 262 Phone: 408 924 5256
email: neradatATemail.sjsu.edu Website: www.mtsu.edu/~neradat

Contact: The best way to contact me is email or coming to the office hours

Office Hours: Tuesday and Thursday 14:50-16:30 (in computer lab SCI 242 or in office SCI 262) or by appointment

TA Hours: Monday and Wednesday 13:30-14:20 (in computer lab SCI 242)

Course Description:

This is the third semester in the calculus-based University Physics for science and engineering majors. Physics 52 covers optics and thermodynamics.

Prerequisites: PHYS50 and PHYS51

Learning Objectives

Text: University Physics 11th Edition by Young and Freedman. Chapters 17-20 for Thermodynamics and Chapters 33-36 for Optics

Lecture: The lectures meet on Tuesdays and Thursdays during the semester. The lectures are designed to discuss the course material, to work examples, and to answer the questions you may have. There will be small demonstrations during some lectures that are designed to help you with better understanding of the physical concepts. The lectures are interactive. Students are expected to get involved in the discussions during the class. So it is crucial to read the suggested material before each lecture for active participation in the class and doing well in the quizzes.

Quizzes: There are quizzes during each lecture period as noted on the syllabus. These quizzes are composed of conceptual questions based on the suggested reading material for that lecture. Each quiz is multiple-choice and will be graded out of 10 points.

Exams: The 3 tests and final exam cover **all material encountered in both the lectures and the lab**. No test grades will be dropped. Exams will be closed book from the material listed in the syllabus. You will be provided with an equation sheet and necessary constants. 15 multiple choice conceptual questions (45 points) and 3 problems (60 points).

Homework: Homework questions and problems are available on the www.masteringphysics.com. Course ID is **FALL06PHYS52** If you have purchased a new book, you should have a package that guides you to use the mastering physics website to do homework online (there is a access code and password in the package). If you have a used copy of the book, you need to go to www.masteringphysics.com click on Young/Freedman University Physics 11e and purchase access to the website. The price is \$41.60. Use the first assignment (Introduction to mastering physics) to become familiar with the system. **Do not leave submission of your home works to the last minute. Servers can be down in the last minute. Late Homework:** Homework

assignments will be available throughout the semester for study. However once the deadline passed the associated grade will drop to zero over the course of 48 hours.

Grading: Your grade will be determined by your performance on the quizzes, homework and exams. Plus and minus grading will be used. The letter grades will be roughly assigned based on the following list A: 90s, B: 80s, C: 70s, D: 60s, F: 50s and below. **You must pass the lab associated with this course in order to pass this course. Without completion of the lab you will fail PHYS 52**

Grading Summary

Category	Contribution	Number Dropped
Midterm Tests (3)	45% (15% each)	0
Final Exam	20%	0
Quizzes	10%	2
Home Work	20%	1
Lab	10%	0

Accessing If you do not have a computer with Web access readily available to you, there are a number of options on campus, including computers in the department and library.

Disabilities: Campus policy in compliance with the Americans with Disabilities Act: “If you need course adaptation or accommodations because of a disability, or if you need special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible or see me during the office hours. Presidential Directive 97-03 requires that students with disabilities requesting accommodations must register with DRC to establish a record of their disability”.

Academic Integrity Statement:

From the Office of Student Conduct and Ethical Development: “Your own commitment to learning, as evidenced by your enrolment at San Jose State University, and the University’s Academic Integrity Policy requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The policy on academic integrity can be found at http://sa.sjsu.edu/student_conduct.

Important Dates For Fall 2006 Semester:

Wednesday..... August 23First Day of Instruction
 Monday..... September 4.....Labor Day - Campus Closed
 Tuesday..... September 5.....Last Day to Drop Courses Without an Entry on Student's Permanent Record
 Tuesday..... September 12.....Last Day to Add Courses & Register Late
 Friday..... November 10.....Veteran’s Day- Campus Closed
 Wednesday..... November 22.....Classes that start at 5:00 PM or later will not meet.
 Thursday-Friday November 23-24.....Thanksgiving Holiday - Campus Closed
 Thursday..... December 7.....Last Day of Instruction
 Friday..... December 8.....Study/Conference Day (no classes or exams)
 Monday-Friday..... December 11-15.....Final Examinations
 Monday..... December 18.....Final Examinations Make-Up Day
 Wednesday..... December 20.....Grades Due From Faculty

Date	Day	Quiz	Reading	HW Assigned	HW Due
Week 1					
Aug 24	Thursday	Q	L0: Introduction,	HW1: Introduction to mastering Physics	
Week 2					
Aug 29	Tuesday	Q1	L1: 33.1-33.3	HW2	1
Aug 31	Thursday	Q2	L2: 33.4-33.5		
Week 3					
Sept 5	Tuesday	Q3	L3: 33.6-problem solving (PS)	HW3	2
Sept 7	Thursday	Q4	L4: 34.1-34.3		
Week 4					
Sept 12	Tuesday	Q5	L5: 34.4-34.5	HW4	3
Sept 14	Thursday	Q6	L6: 34.6-34.7		
Week 5					
Sept 19	Tuesday	Q7	L7: 34.8-PS	HW5	4
Sept 21	Thursday	Q8	L8: 35.1-35.3		
Week 6					
Sept 26	Tuesday		Test 1 (Chapters 33, 34)	HW6	5
Sept 28	Thursday	Q9	L9: 35.4-35.5		
Week 7					
Oct 3	Tuesday		PS	HW7	6
Oct 5	Thursday	Q10	L10: 36.1-36.3		
Week 8					
Oct 10	Tuesday	Q11	L11: 36.4-36.5	HW8	7
Oct 12	Thursday	Q12	L12: 36.6-36.7		
Week 9					
Oct 17	Tuesday	Q13	L13: 17.1-17.2- PS	HW9	8
Oct 19	Thursday	Q14	L14: 17.3-17.4		
Week 10					
Oct 24	Tuesday	Q15	L15: 17.5-17.7	HW10	9
Oct 26	Thursday		PS		
Week 11					
Oct 31	Tuesday		17.7 PS		
Nov 2	Thursday		Test 2 (Chapters 35, 36, 17)	HW11	10
Week 12					
Nov 7	Tuesday	Q17	L17 : 18.1-18.4	HW12	11
Nov 9	Thursday	Q18	L18: 18.5-18.6 PS		
Week 13					
Nov 14	Tuesday	Q19	L19: 19.1-19.3	HW13	12
Nov 16	Thursday	Q20	L20: 19.4-19.5		
Week 14					
Nov 21	Tuesday	Q21	L21: 19.6-19.8	HW14	13
Nov 23	Thursday		Thanksgiving-Campus closed		
Week 15					
Nov 28	Tuesday	Q22	L22 : 20.1-20.4	HW15	14
Nov 30	Thursday	Q23	L23: 20.5-20.7		
Week 16					
Dec 5	Tuesday	Q24	L24 : 20.8. PS	HW16 (no grade)	15
Dec 7	Thursday		Test 3 (Chapters 18-20)		
Week 17					
Dec 13	Wednesday		Final (Chapters 33-36, 17-20)	SCI 258, 12:15-14:30	