Syllabus

**Instructor:** Richard Noel Fell  
**E-Mail:** fell@brandeis.edu  
**Office:** Abelson 311  
**Office Hours:** By appointment. You can always email me with questions. I will try to respond promptly.

Prerequisites:  
PHYS 11a or equivalent and differential calculus.

Corequisites:  
Integral calculus.

Textbook:  
*Physics for Scientists and Engineers, Randall Knight, 3rd edition.*

Topics:  
Chapter 25 through Chapter 36.

On Line Homework System:  
*Sapling Learning, saplinglearning.com*

Homework:  
There will be weekly homework assignments usually available on-line by Wednesday afternoons and are due by 5:00 PM the following Monday. Late homework assignments will not be accepted unless prior permission is given for tardiness. Unexcused tardy homework sets will receive a grade of zero but still must be done to pass the course.

What is expected of the student  
Since this is a four credit course (three lectures per week), in order to do well, you are expected to spend at least a minimum of 9 hours of study time per week in preparation for class (readings, homework assignments, discussion sections, preparation for exams, etc.) although in my experience, most students have to spend more time than this.
Teaching Assistant office hours:
To be announced.

Recitation sections:
Monday evenings. Sections will be the same as first semester with new students being assigned the first week of classes. All are required to go to each section meeting throughout the semester. Unexcused absences will count against your final grade.

Quizzes:
There will usually be a quiz at the beginning of the recitation sections. There will be no make-up quizzes. A student who misses a quiz will receive a grade of zero for that quiz unless there is a compelling reason which caused his absence. I am the arbiter for compelling reasons.

Exams:
There will be two one hour exams and a final exam. The final will be cumulative. Missing an exam without a serious reason is sufficient cause for failing the course. Serious reasons: documented (doctor’s verification) illness, family emergencies, etc. There will be a make up exam for anyone missing such for a just reason. As for quizzes I am the final judge who determines whether a reason for missing an exam meets the above criteria. No notes, calculators, etc. will be allowed during exams. Just your pencil(s), eraser(s),and examination books.

Exam Schedule:
Exams will be on Monday evenings from 6:30 to 8:30 in TBA.
First Exam: February 8
Second Exam: March 14
Final Exam: To be scheduled

Grade Composition:
The final grade will be determined by the following weighting:
Quizzes: 15% ; Homework:15%; Midterm Exams (2 @ 20% each): 40%; Final Exam: 30%.

Grading Scale
A+ → 99 – 100 A → 94 – 98 A- → 90 – 93
B+ → 87 – 89 B → 80 – 86 B- → 75 – 79
C+ → 73 – 74 C → 70 – 72 C- → 65 – 69
D → 60 – 69 E → 0 – 59

Students with Disabilities: If you are a student with a documented disability on record at Brandeis University and wish to have a reasonable accommodation made for you please
see me.

**Schedule of topics and text assignments:** Weekly topics and readings from the text will be posted on Latte.