Chyanlong Lin,  Fall 2014

Lecture (Physics 1062) : M, 8-8:50 AM
W, 8-8:50 AM
F, 8-8:50 AM

Recitation (Physics 1062): T, 9-9:50 AM
T, 10-10:50 AM,
F, 9-9:50 AM,
F, 10-10:50 AM,
F, 11-11:50 AM.

# PHYSICS 1062 Fall 2014

*** **Important Dates**:

Last day to drop: Monday, September 8.

Last day to withdraw: Tuesday, Oct. 21.

Last Class: Monday, December 8.

Final Exam: Monday, December 15 (8:00 – 10:00 AM)

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1. Instructor: C.L. Lin
Office (Barton Hall, A121), Email: clin@temple.edu

2. Office Hours: Monday, 9:00-11:00 AM; Wednesday, 9:00-10:00 AM.
Other days and times: appointment.

3. Textbook: Fundamentals of Physics. Publisher: J. Wiley. Authors: Halliday, Resnick, Walker.
$10^{th}$ edition, **Chap. 18.**

*** Every student needs to bring the textbook to every lecture and recitation.

4. Students **must** attend every lecture, every recitation and every laboratory **on time**.

If you come to class late, you will miss some materials and may not completely understand the entire lecture. If you miss a lecture, you certainly need many hours or many days to learn the material which you missed in the lecture. Perhaps you cannot completely understand the material that you missed and you will **fail** this course.

**Organize learning materials:**
Take good notes in lectures and recitations, and place them in order. For example, students either write notes and homework on a good notebook (but not on a spiral notebook – bad notebook) or write on separate sheets in a 3-ring binder.

**Review the lecture notes and read the textbook after each lecture on the same day of the lecture:**
It is essential that students understand the basic concepts and principles **before** attempting to solve assigned homework problems. Several readings (practices) of the lecture notes and textbook may be necessary in order to completely absorb the concepts and understand the scientific methods as well as equations.

5. Homework: After each lecture, several homework problems will be assigned.

Keep in mind that this is the last step. If students do **not** review the lecture notes and read the textbook before working on homework assignments, students usually do very poorly in examinations because they do not understand the concepts and equations. Namely, students spend a lot of time but get a poor result (**waste a lot of time and get frustrated**.)

6. Quizzes: 10-15 minutes. Several quizzes will be given in lectures and recitations.

7. Examinations: First Exam: Sept. 12 (Friday)
Second Exam: Oct. 8 (Wednesday)
Third Exam: Nov 5 (Wednesday)
Fourth Exam: Dec. 15 (Monday).

Make-up exam and quiz will **not** be given except for unusual reasons [serious illness (provide me with a doctor's note), etc.]. In every instance I must be notified **prior** to the exam.

8. Grading: Lab (20 %), Quizzes (15 %), First Exam (12 %), Second Exam (15 %), Third Exam (18 %), Fourth Exam (20 %), Extra credit (3 %).

** If a student attends every lecture, Lab and recitation, then he/she automatically gets an extra credit of 3 %. If one misses only one class (lecture, recitation, Lab), then he/she gets an extra credit of 2 %. If one misses two or more than two classes (lecture, recitation, Lab), then he/she gets no extra credit.

9: Final Grade (a total of 103 points):

| | | | | | |
|---|---|---|---|---|---|
| 83 <--> 100 | A | 80 <--> 82 | A- | | |
| 76 <--> 79 | B+ | 71 <--> 75 | B | 67 <--> 70 | B- |
| 61 <--> 66 | C+ | 55 <--> 60 | C | 49 <--> 54 | C- |
| 45 <--> 49 | D | 0 <--> 44 | F | | |

** If a student misses 4 or more than 4 Labs, or his/her average Lab score is below 50 (out of 100), he/she will automatically get a "F" grade for this course.

10. Disability disclosure statement: Contact Disability Resources and Services.

Student and Faculty Academic Rights and Responsibilities:
Check a variety of policies at http://policies.temple.edu

11. Incomplete: will not be given unless students satisfy all the following conditions: (a) obtain an average grade of quizzes and exams, (b) attend every lecture, recitation and Lab, and (c) have a good reason (for example: very sick) for not taking the final exam.

12. Temple's "BLACKBOARD".

Login "TUportal" → Blackboard → PHYSICS 1062 → Course Information & Course Content.

**PHYSICS 1062 Fall 2014 Lab Schedule**

| Week # | Lab | First day of the week |
|---|---|---|
| **Week 1** | **NO LAB** | 8/25/2013 |
| **Week 2** | **NO Lab** | 9/1/2013 |
| **Week 3** | Lab#19 Thermal Expansion | 9/8/2013 |
| **Week 4** | Lab#22 Heat Capacity and Specific Heat | 9/15/2013 |
| **Week 5** | Lab#27 Coulomb's Law of Electrostatics | 9/22/2013 |
| **Week 6** | Lab#28 Mapping the Electric Field | 9/29/2013 |
| **Week 7** | **NO LAB** | 10/6/2013 |
| **Week 8** | Lab#31 Ohm's law and Capacitance | 10/13/2013 |
| **Week 9** | Lab#30 Series and Parallel circuits | 10/20/2013 |
| **Week 10** | Lab#33 Magnetic Field due to Currents | 10/27/2013 |
| **Week 11** | Lab#35 Electromagnetic induction | 11/3/2013 |
| **Week 12** | Lab#36 Reflection and Refraction | 11/10/2013 |
| **Week 13** | Lab#37 Lenses- Projector and Telescope | 11/17/2013 |
| **Week 14** | **NO LAB** | 11/24/2013 |
| **Week 15** | **NO LAB** | 12/1/2013 |