

Welcome to Physics 113

- Instructor: Dr. K. Burak Ucer
- Office: Olin 305D / Lab: Olin 209
- Phone: 758-4989
- E-mail: ucerkb@wfu.edu
- Class Hours: Tu/Th 9:30 - 10:45 am
- Office Hours: Tu/Th 1:30 - 3:00 pm
 - or any other time that I am available

About Physics 113

- First part of a two-semester **calculus based** general physics survey course.
- You will need to have at least a basic understanding of calculus.
- We will go over vector algebra and basic vector calculus as the course progresses.
- We will cover **mechanics, waves and thermodynamics** (time permitting).

Resources

■ Class web page

- <http://www.wfu.edu/~ucerkb/Phy113.html>
- Use for class information, class schedule, lecture notes, practice tests, useful links
- I will not use Blackboard or CourseInfo

■ Text book

- Physics for Scientists and Engineers / Serway & Jewett / 6th edition – volume 1
- The Student Solutions Manual is recommended for homework assignments.

■ Web Assign

- <https://www.webassign.net/login.html>
- Assignment problems

The flow of the class (at least in theory)

- Read the next class' reading assignment.
- Print out, read and bring the lecture notes to class.
- Attendance in lectures is not required but expected and strongly recommended.
- Participate in class discussion, do ask questions during the lecture.
- Try to connect in-class demos and labs to the concepts learned in the lecture and the assignment problems.
- Try doing the assignment problems right after class. Come to either my office hours or the tutorial sessions if you have questions.
- As each subject is dependent on knowledge from the previous chapters, try very hard not to fall behind.

Homework Assignments

- Problem solving is a very important part of learning physics.
- There will be an assignment for each chapter consisting of 5-10 problems. Some of these problems may appear in the exams.
- The assignments will be through WebAssign (<https://www.webassign.net/login.html>)
 - Initial username: your wfu id
 - institution: wfu
 - password your wfu id (change it after your first login!)
 - You have seven attempts for each question.
 - Assignments are due one or two lectures after they have been posted.
 - No late submissions are accepted.
- You will need to buy access codes from the bookstore or WebAssign for \$25.

Tutorials

- There will be several tutorial sessions.
- The schedule will be announced within a week.

Labs

- The labs are an integral part of this course.
- You must enroll in one lab session.
- Labs start on September 3 in Olin 104.
- Lab manuals are available at the bookstore for \$15.
- Contact our Instructional Resources Manager Eric Chapman at Olin 110 or chapmaek@wfu.edu for details.

Exams and Grading

- 3 Midterms + 1 Final (Dec. 15 – 9:00 am)
- Midterms: 2 qualitative and 3 quantitative questions plus some multiple choice.
- May have 1-2 questions from the homework assignments.
- A cheat sheet will be provided with the formulas.
- There will be a review session before each midterm and the final.
- Bring a scientific calculator to the exams.
- Midterms: 15% each, Final: 30%, Lab: 15%, Homework: 10%
- No unexcused absences from the exams (weddings, birthdays, baby showers, etc. are NOT acceptable excuses).