

PY 205/208 Syllabus Highlights for Fall 2023 and Spring 2024
(for all sections except 601 and 001H)

Textbook:

Matter and Interactions, Ruth Chabay and Bruce Sherwood, 4th edition.

IMPORTANT CHANGE:

PY 205 will purchase the on-line book and homework through **WileyPlus**.

Fall 2023, PY 208 will purchase the on-line book and homework through **WebAssign**.

Spring 2024, PY 208 will purchase the on-line book and homework through **WileyPlus**.

Note: Do NOT purchase the textbook; e-book access is included in WebAssign or WileyPlus.
This course is NOT covered by Cengage Unlimited.

Grading:

205:

Homework + participation* 25%

3 mid-term exams 50%

Final exam 25%

208:

Homework + participation* 25%

2 mid-term exams 45%

Final exam 30%

*"participation points" sections: participation = 2%, homework = 23%; all other sections: homework = 25%

Attendance and participation policies:

- Regular attendance, attention, and participation in class is expected for all students.
- Excused absences that cause you to miss a homework deadline or exam must be verified by the [absence verification](#) office.
- If you are ill, do not attend class. Classroom capture videos from your section will be available.
- Some sections have grading schemes to encourage participation. In these "participation points" sections, 2% of your grade will result from your in-class participation.
- "Attendance" (just being in the classroom) is not used in determining your grade.

Homework policies:

- Homework (WebAssign or WileyPlus, see above) is due Mondays and Thursdays for all sections.
- An automatic extension (up to 48 hours after a homework assignment is due) is available for any assignment with no penalty.
- For most problems, you have three submissions to answer a homework question correctly for full credit. After your third submission, a 40% penalty will be applied.
- If you have an excused absence that impacted homework, contact your instructor so that due dates can be adjusted.
- Homework scores will be determined as follows: points earned / (total possible points - 10)

Test policies:

- 90-minute mid-term exams will consist of approximately 20 multiple-choice questions. Exams are given during common hour exam times on Tuesday evenings.
- If you have an excused absence that impacts an exam, you must contact your instructor immediately. The points from the missed exam will be re-distributed to your **future** exams.
205: Missed midterm 1 is replaced by average of midterms 2 and 3; missed midterm 2 is replaced by midterm 3; missed midterm 3 is replaced by final exam.
208: Missed midterm 1 is replaced by midterm 2; missed midterm 2 is replaced by final exam.
- The final exam will be multiple-choice and cumulative.
- Additional practice problems (both multiple choice and open-ended questions) on the sections covered by each exam will be available before each test (pdf to be downloaded from the course Moodle page). These are simply extra questions to work after reviewing homework. These questions may be longer, more challenging, cover a broader range of content, or be in a different format than exam questions or homework. This material is provided to all sections.
- Learning objectives will be provided as a downloadable pdf before each exam.
- An equation sheet will be provided as part of the exam. Other equation sheets are not allowed.
- Anti-cheating policies will be in place during exams. This may include protocols to put away your phone and other materials and assigned seating.

Course policies:

- The physics department follows university policy with respect to incomplete grades.
- Additional policies that appear in the University Syllabus Template will also be followed.

Log-ins:

- All homework is in WebAssign or WileyPlus (see textbook section above).
- **205 (all year) and 208 Spring 2024:** Moodle is expected to be the grade management system for this class: the scores in Moodle will be used to calculate your final numerical grade. Any "scores" in other electronic systems may not be correct.
- **208 Fall 2023:** WebAssign is expected to be the grade management system for this class: the scores in WebAssign will be used to calculate your final numerical grade. Any "scores" in other electronic systems may not be correct.
- For university-required recording of attendance, you must use TopHat. The particulars of TopHat use vary slightly in different sections. It is the student's responsibility to download/use the app correctly and to have a functioning device each day.
- Announcements and documents will be available on the Moodle page.
- Classroom capture videos for each section will be made available through Panopto or Moodle.

What students need to know:

- Your class will meet in person.

- Expect your instructor to use clicker questions or other active learning techniques in class. Some sections will use TopHat to respond to clicker questions; other will use colored paper or raising of hands. In some sections, 2% of your grade is determined by in-class participation. Your instructor will discuss this on the first day of class.
- Your instructor will use the notation in the textbook and homework in class.
- Lab (PY206 or PY209) is a separate class. Please contact your TA or the lab supervisor with lab questions.

Topics covered:

- 205 will cover the following chapters and sections:
 - 1.1-1.10
 - 2.1-2.6
 - 3.1-3.5, 3.7-3.12
 - 4.1-4.8, 4.10-4.11
 - 5.1-5.10
 - 6.1-6.5, 6.7-6.11
 - 7.1-7.6, 7.10
 - 8.1-8.2, 8.4
 - 9.1-9.2
 - 10.1-10.4
 - 11.1-11.5, 11.7-11.8
 - 12.1-12.6
- 208 will cover the following chapters and sections:
 - 1.4-1.5, 3.7
 - 13.1-13.6
 - 14.1-14.8
 - 15.1-15.6
 - 16.1-16.7
 - 17.1-17.12
 - 18.1-18.10
 - 19.1-19.7
 - 20.1-20.5
 - 21.1-21.7
 - 22.1-22.4
 - 23.1-23.4, 23.6-23.10