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Recitation Leader Marcio O’Dwyer: marcio.odwyer@case.edu

SI Natalie Nielson: natalie.nielsen@case.edu

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<tr>
<th>Schedule</th>
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<tr>
<td>Lectures:</td>
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<tr>
<td>MWF 3:20-4:10 PM (Rockefeller 301)</td>
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<td>Recitations:</td>
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<tr>
<td>R 10:00-10:50 AM (Bingham 103)</td>
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<tr>
<td>R 1:00-1:50 PM (Strosacker)</td>
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Textbook Modern Physics 2nd Ed. by R. Harris

Assigned sections will be expected to be read before class, we’ll have short quizzes on occasion to assess how well the text has been understood. There will be some type of participation bonus for these.

Response System iClicker

Clickers will also be used occasionally to assess which parts of the material we are in command of. There will be some type of participation bonus for these.

Topics Special Relativity, Quantum Mechanics and applications → (simple potentials, scattering, Hydrogen atom . . .), Statistical Mechanics, Particle Physics

Website [www.phys.cwru.edu/courses/p221/](http://www.phys.cwru.edu/courses/p221/) Note that this is not on Canvas. We will use Canvas for viewing Mediavision, but almost everything else will be posted on this site (e.g. homework assignments, exam solutions . . .).

Lecture We are going to try to make the “lecture” as active as possible. Please ask and answer questions – do not assume all of the questions I ask are rhetorical, I’ll often want an answer. If anything is unclear please raise your hand and ask your question: chances are other students need help there too. Also please point out errors I make on the board, or any difficulties reading anything.

Recitations Small group discussions of homework concepts. Attendance is optional, but past data indicates assessment performance and recitation attendance are strongly correlated.

Supplemental Instruction Peer-guided supplemental sessions where students can ask questions, apply material, practice analytical and conceptual problems, and prepare for exams.
**Bulletin Board**  Semi-public discussion of the course.


Anyone can read the boards, but you must login to post.

**Homeworks**  Generally due every Monday during class. At beginning preferred, but you may also turn it in immediately after lecture. Late homework will not be accepted. Your two lowest scores will be dropped.

Write neatly, make your thinking clear, in general aim for a professional “appearance” – the graders may penalize you for things that make their jobs more difficult (e.g. no name, not stapled, ragged edges).

Working together is fine and encouraged, but the work you turn in must be your own – solutions which were clearly copied from students or other sources are forbidden and unethical.

Each set, no matter the number of problems, will carry the same weight for assessment.

**Exams**  There will be 3 midterm exams and a final. The exams will be closed book, closed notes. Cell phones must be turned off. A calculator will probably be permitted and might even be useful. An equation sheet will be provided.

There will be **no makeup exams**. If you cannot be in the classroom because of an academic conflict, make *arrangements in advance* so that your exam can be proctored at approximately the same time as everyone else takes it.

Only a Dean can excuse you from the final.

**Exam Dates**  Hour exams: in Rockefeller 301 during class time.

- exam1 Fri Sep 21
- exam2 Wed Oct 17
- exam3 Mon Nov 19

The final exam is Mon Dec 17 from 3:30-6:30 PM, location TBD.

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<tr>
<th>Evaluation</th>
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<tbody>
<tr>
<td>Homework</td>
<td>20%</td>
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<tr>
<td>Midterm (each)</td>
<td>15%</td>
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<tr>
<td>Final</td>
<td>35%</td>
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This scheme may be adjusted slightly.

**Web Resources**

- [http://www.phys.cwru.edu/courses/p221/](http://www.phys.cwru.edu/courses/p221/)  Home Page
- [http://canvas.case.edu](http://canvas.case.edu)  Canvas
**Academic Integrity** If you have not already, familiarize yourself with the University Academic Integrity Policy:

[http://students.case.edu/handbook/policy/integrity.html](http://students.case.edu/handbook/policy/integrity.html)