Lecture
10:00 – 11:45  Dr. Ken Bolland  SM 1106D  614-292-8065  bolland.1@osu.edu

Course Materials: See CARMEN for textbook and WebAssign information.
Reading Assignments in textbook: Indicated by [Chapter.Section] below.
Lab Book: Physics 1250 Activities & Worksheets, 5th edition, 1st Revision (preferred); or 5th edition (acceptable)

Websites – See Carmen or Physics Department Course Website for Handouts and Policies
Carmen: http://carmen.osu.edu/ (Course Specific Information)
Course Website: http://www.physics.ohio-state.edu/phys1250 (General Information)

On-line Homework and Prelabs in WebAssign: Please Access WebAssign through Carmen.

Essential Skills Assignments are available through Carmen.
Hand-in HW assignments and information are available through Carmen.

Support
WebAssign help: http://webassign.com/support/student-support/
Homework help: For homework help, please contact your TA or lecturer, or visit the tutor room.
Tutor Room: SM 1011A & B
WebAssign Issues (access and technical): Dr. Bolland (SM 1106D), 614-292-8065, bolland@physics.osu.edu,
For Excuses or Permission for anything: Course manager Dr. Ziegler – SM 1036A, 614-292-2067, ziegler.2@osu.edu

My TA is ______________________________________

Grades:

<table>
<thead>
<tr>
<th>Item</th>
<th>Lab</th>
<th>Prelab</th>
<th>On-line Homework</th>
<th>Hand-in Homework</th>
<th>Quizzes (Individual + Group)</th>
<th>Midterms</th>
<th>Final Exam</th>
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<tbody>
<tr>
<td>Weight</td>
<td>12%</td>
<td>3%</td>
<td>12%</td>
<td>3%</td>
<td>15% (11.25+3.75)</td>
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SEI Participation bonus: If at least 65% of students enrolled in a lecture section participate in the on-line survey “Student Evaluation of Instruction” (SEI) for both lecturer and recitation instructor, then a bonus of 0.5 % will be added to every student’s percentage score in that lecture section after the grade scheme (curve) is determined.

Final Exam Schedule: Final exams will be given in the recitation rooms.

<table>
<thead>
<tr>
<th>Lecture</th>
<th>Final Exam Time</th>
<th>Final Exam Day</th>
<th>Date</th>
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<tbody>
<tr>
<td>10:35</td>
<td>10:00 – 11:45 am</td>
<td>Tuesday</td>
<td>July 30</td>
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Course Activity Conflict: By university rules, your regularly scheduled quiz, midterm, lab, or final exam in physics takes precedence over common exams in other courses (like math or chemistry). The other class must offer you an alternate time.

General Schedule:
Recitations meet M – Quizzes, Midterms, and the Final Exam are given in recitation rooms. Quizzes consist of a 3-question multiple-choice quiz (15 minutes, 15 points) and a group work quiz (25 minutes, 5 points). Students are assigned to same groups for recitation and lab. Midterms (55 minutes) and the final exam (1 hour and 45 minutes) contain multiple-choice and show-work problems.
Online Homework is usually due Friday night by 11:59 PM, with some exceptions – check WebAssign for deadlines.
Hand-in Homework – due in Monday recitation on a quiz day.
Labs and Prelabs – Labs meet R in SM 1077
Prelabs – due 9:30 AM every Thursday in a week with a lab. Each experiment has a Prelab.
# Lecture: [chapter, section]

## WEEK 1
- **May 8**  W  L1: Introduction, Units [1.4, 2]
- **May 9**  R  Lab: NO LAB
- **May 10**  F  L2: Acceleration; **online HW #1 due**

**WEEK 2**
- **Lab starts on Tuesday 5/16.**
- **May 13**  M  R1: Quiz 1 (HW1); **hand-in HW #1 due**
- **May 14**  T  L3: Vectors [3]
- **May 15**  W  L4: Projectile Motion [4.1-3]
- **May 16**  R  Lab: Prelab due 9:30 am; Exp. #3 2-D Kinematics
- **May 17**  F  L5: Forces [5.1-4]; **online HW #2 due**

## WEEK 3
- **May 20**  M  R2: Quiz 2 (HW 2); **online HW #3 due; hand-in HW #2 due**
- **May 21**  T  L6: Forces – free body diagrams [5.5-7]
- **May 22**  W  L7: Forces and coupled motion
- **May 23**  R  Lab: Prelab due 9:30 am; Exp. #4 Dynamic Forces
- **May 24**  F  L8: Forces – Friction and Motion [5.8]; **online HW #4 due**

## WEEK 4
- **May 27**  M  **MEMORIAL DAY HOLIDAY**
- **May 28**  T  L9: Circular Motion [4.4-5, 6.1-3]
- **May 29**  W  L10: Circular Motion and Gravity [13.1] (end of first midterm material)
- **May 30**  R  Lab: Prelab due 9:30 am; **Exp. #5 Static Friction**
- **May 31**  F  L11: Work, Kinetic & Potential Energy [7.1-9]; **online HW #5 due**

*Last Date to Drop without W*

## WEEK 5
- **June 3**  M  R3: Quiz 3 (HW 5); **hand-in HW #3 due**
- **June 5**  W  L13: Energy & Power [8.5]
- **June 6**  R  Lab: Prelab due 9:30 am; **Exp. #6 Conservation of Energy**
- **June 7**  F  L14: Momentum and Collisions [9.1-5]

## WEEK 6
- **June 10**  M  R4: **MIDTERM 1** [chapters 1-6] in recitation class; **online HW #6 due**
- **June 11**  T  L15: Collisions & Center of Mass of Systems [9.6-7]
- **June 12**  W  L16: Rotational Kinematics [10.1-3]
- **June 13**  R  Lab: Prelab due 9:30 am; **Exp. #7 Conservation of Momentum**
- **June 14**  F  L17: Torque and Rotational Motion [10.4-6]; **online HW #7 due**

## WEEK 7
- **June 17**  M  R5: Quiz 4 (HW 7); **hand-in HW #4 due**
- **June 18**  T  L18: Rotational Energy and Motion [10.7-9]
- **June 20**  R  Lab: Prelab due 9:30 am; **Exp. #8 Energy and Momentum**
- **June 21**  F  L20: Static Equilibrium [12.1-3] (end of second midterm material); **online HW #8 due**

## WEEK 8
- **June 24**  M  R6: Quiz 5 (HW 8); **hand-in HW #5 due**
- **June 25**  T  L21: Oscillations [15.1-3]
- **June 26**  W  L22: Oscillations, Damping & forcing [15.4-7]
- **June 27**  R  Lab: Prelab due 9:30 am; **Exp. #9 Rotational Dynamics**
- **June 28**  F  L23: Fluids – statics [14.1-4]; **online HW #9 due**
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<td>1</td>
<td>M</td>
<td>R7:</td>
<td>MIDTERM 2 [chapters 7-12] in recitation class; online HW #10</td>
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<td>Fluids – dynamics [14.5-7]</td>
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<td>L26:</td>
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<td>Thermodynamics - Engines [20.7, 22.1-5]; online HW #12 due</td>
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<td>Ideal gas: molecular model; Changes in Entropy [21, 22.6-8]</td>
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<td>Relativity of Time and Space [39.1-4]</td>
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<td>Relation of Inertial Frames [39.5]</td>
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<td>Momentum and Energy [39.7-8]</td>
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<td>L34:</td>
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**FINAL EXAMS WEEK July 29 - 31**