LECTURERS          Section       Office      Phone          e-mail
Prof. John Beacom  8:30 & 9:30  PRB: M2004  247-8102   beacom.7@osu.edu
Prof. Michael Poirier  10:30     PRB: 2140   247-4493  poirier.18@osu.edu

COURSE MANAGER: Dr. M. Rallis – SM 1036B, 292-4464, rallis.1@osu.edu
WEBASSIGN ADMINISTRATOR: Dr. K. Bolland – SM 5059, 292-8065, bolland.1@osu.edu

REQUIRED TEXTS & MATERIALS:
Physics by Cutnell & Johnson, 7th ed., Vol. 1
Worksheets for Physics 111 Laboratory, 15th ed. (2008)
WebAssign-Plus Access Card (includes electronic version of textbook)

POLICIES AND WEBSITE
See the “Welcome to Students of Physics 111” packet for course policies.
Course Home Page: http://www.physics.ohio-state.edu/ and click on “Courses” and then on “Physics 111” for additional information.

MIDTERM (in recitation room): MONDAY, FEBRUARY 11, 2008

FINAL EXAM (in recitation room):
SECTION MEETING TIME          FINAL EXAM DATE AND TIME

<table>
<thead>
<tr>
<th>Time</th>
<th>Date &amp; Time</th>
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<tbody>
<tr>
<td>8:30 AM</td>
<td>TUES, MARCH 11, 2008 AT 7:30 – 9:18 AM</td>
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<tr>
<td>9:30 AM</td>
<td>WED., MARCH 12, 2008 AT 9:30 – 11:18 AM</td>
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<tr>
<td>10:30 AM</td>
<td>THURS., MARCH 13, 2008 AT 9:30 – 11:18 AM</td>
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Make no commitment that conflicts with your scheduled final examination. See Dr. Rallis by Jan. 24th if a conflict exists.

SCHEDULE AND ASSIGNMENTS
Reading, homework, etc. assignments below refer to Cutnell & Johnson, 7th ed.
Homework and Pre-labs are submitted on-line via WebAssign web page:
https://www.webassign.net/osu/student.html

See On-Line Homework Instruction sheet for login instructions, etc.

Abbreviations: L=lecture, R=recitation, Ch=chapter, P=problem, S= section, Q=question, HW = homework, SAT=Self-Assessment Test (on Cutnell & Johnson, 7th ed. website), T = tutoring
WEEK 1
LAB: NO LAB this week; No Pre-Lab assignment this week
HOMEWORK: HW#0: Log into WebAssign and complete the WebAssign Tutorial.

ON-LINE HW #0 due at 5 PM, SUNDAY, JAN. 6

Topics and Assignments:
Jan  3  L  Displacement, Velocity, Acceleration (Ch 1 S2 – 5; Ch 2 S1 – 3); Assignment Sheets distributed
     4  R  Math. Tests; Trig. Review

WEEK 2
LAB: Lab 1: Kinematics in 1 Dimension
     ON-LINE PRE-LAB #1 due at NOON, TUESDAY, JAN. 8

HOMEWORK: HW #1: Ch 2: P2, 5, 7, 10, 58, 14, 23, 26, 28, 44, 46
     ON-LINE HW #1 due at 5 PM, SUNDAY, JAN. 13

Topics and Assignments:
Jan  7  R  Ch 2 Q1, 2, 5; demonstration problems
     8  L  Constant Acceleration (Ch 2 S4 – 8; SAT 2.2, 2.3)
     9  T  Office hour/tutoring in recitation
     10 L  Trigonometry and Vectors (Ch 1 S4 – 9)

WEEK 3
LAB: Lab 2: Projectile Motion
     ON-LINE PRE-LAB #2 due at NOON, TUESDAY, JAN. 15

HOMEWORK: HW #2: Ch 1 P21, 33, 34, 42, 55; Ch 3 P61, 15, 20, 24, 22, 35
     ON-LINE HW #2 due at 5 PM, SUNDAY, JAN. 20

Topics and Assignments:
Jan 14  R  QUIZ 1; demonstration problems; Ch 1 Q12, 13; Ch 3 Q3, 8
     15  L  Vectors and Projectile Motion (Ch 3 S1 – 3; SAT 3.1)
     16  T  Office hour/tutoring in recitation
     17 L  Projectile Motion (Ch 3 S3,5; SAT 3.2); Newton’s 1st Law (Ch 4 S 1, 2)

Friday, Jan. 18th is the Last Day to drop without a “W

WEEK 4
LAB: Lab 3: Forces and Vectors
     ON-LINE PRE-LAB #3 due at NOON, TUESDAY, JAN. 22

HOMEWORK: HW#3: Ch 3 P60, 62; Ch 4 P2, 8, 11, 12, 14, 15, 24
     ON-LINE HW #3 due at 5 PM, SUNDAY, JAN. 27

Topics and Assignments:
Jan 21  HOLIDAY
22  L   Newton’s Laws, Forces (Ch 4 S2 - 6, Example 20 on page 122)
23  R   QUIZ 2; demonstration problems
24  L   Gravitational Force, Normal Force, Tension (Ch 4 S7, 8, 10; SAT 4.1)

WEEK 5
LAB :  Lab 4: Forces and Motion
      ON-LINE PRE-LAB #4 due at NOON, TUESDAY, JAN. 29

HOMEWORK: HW #4: Ch 4 P18, 26, 98, 34, 36, 73, 48, 50, 66, 67, 102
      ON-LINE HW #4 due at 5 PM, SUNDAY, FEB. 3

Topics and Assignments
Jan 28  R  QUIZ 3; demonstration problems; Ch 4 Q3, 6, 10
       29  L  Applications of Newton’s Laws (Ch 4 S11, 12)
       30  T  Office hour/tutoring in recitation
       31  L  Friction (Ch 4 S9, 4.13; SAT 4.2)

WEEK 6
LAB:  Special midterm prep lab. Meet in lab room at regular times.
      No Pre-Lab assignment this week.

HOMEWORK: HW #5: Ch 4 P61, 35, 40, 42, 60, 101, 104; Ch 5 P4, 12, 18, 36, 40
      ON-LINE HW #5 due at 5 PM, SUNDAY, FEB. 10

Topics and Assignments
Feb  4  R  QUIZ 4; demonstration problems; Ch 4 Q15, 18
       5  L  Circular Motion (Ch 5 S1 – 4, 7, 8; SAT 5.1)
       6  T  Office hour/tutoring in recitation
       7  L  Work (Ch 6 S1 – 3, Example 15 on page 184; SAT 6.1)

WEEK 7
LAB:  Lab 5: Circular Motion
      ON-LINE PRE-LAB #5 due at NOON, TUESDAY, FEB. 12

HOMEWORK: HW #6: Ch 6 P4, 10, 12, 22, 14, 24, 28, 29, 37, 40, 50, 70
      ON-LINE HW #6 due at 5 PM, SUNDAY, FEB. 17

Topics and Assignments
Feb 11  R  MIDTERM (in RECITATION ROOM)
       12  L  Conservation of Energy (Ch 6 S4 – 6, 8, 10; SAT 6.2)
       13  T  Office hour/tutoring in recitation
       14  L  Power (Ch 6 S7); Momentum, Impulse, Conservation of Momentum
           (Ch 7  S1,2; SAT 7.1)

Friday, Feb 15 is the Last day to drop without petition to dean of your college
WEEK 8
LAB: Lab 6: Energy Conservation
   ON-LINE PRE-LAB #6 due at NOON, TUESDAY, FEB. 19

HOMEWORK : HW#7: Ch 6 P74; Ch 7 P4, 10, 16, 22, 45, 49, 46, 28, 50, 42, 52
   ON-LINE HW #7 due at 5 PM, SUNDAY, FEB. 24

Topics and Assignments
Feb 18 R QUIZ 5; demonstration problems; Ch 6 Q23, 26; Ch 7 Q3, 14
   19 L Collisions, Center of Mass (Ch 7 S3,5,6)
   20 T Office hour/tutoring in recitation
   21 L Rotational Kinematics (Ch 8 S1 – 5; SAT 8.1, 8.2)

WEEK 9
LAB: Lab 7: Linear Momentum
   ON-LINE PRE-LAB #7 due at NOON, TUESDAY, FEB. 26

HOMEWORK: HW #8: Ch 8 P6, 10, 12, 18, 20, 24, 32, 40; Ch. 9 P2, 4, 16, 64
   ON-LINE HW #8 due at 5 PM, SUNDAY, MAR. 2

Topics and Assignments
Feb 25 R QUIZ 6; demonstration problems; Ch 8 Q3, 6
   26 L Torque; Static Equilibrium (Ch 9 S1, 2)
   27 T Office hour/tutoring in recitation
   28 L Statics Examples; Newton’s 2nd Law for Rotation
      (Ch 9 S 2 – 4; Example 16 on page 274; SAT 9.1)

WEEK 10
LAB: Lab 8: Torque and Rotational Motion
   ON-LINE PRE-LAB # 8 due at NOON, TUESDAY, MAR. 4

HOMEWORK: HW #9: Ch 9 P18, 20, 30, 32, 36, 62
   ON-LINE HW#9 due at 5 PM, SUNDAY, MAR. 9

Topics and Assignments
Mar 3 R QUIZ 7; demonstration problems; Ch 9 Q3, 8, 10
   4 L Applications of Newton’s 2nd Law for Rotation (Ch 9 S4; SAT 9.2)
   5 T Office hour/tutoring in recitation
   6 L Rotational Dynamics (Ch 8, S6; Ch 9 S5)