Physics 1250 - Autumn 2017

Questions about physics class: see your lecturer
12:40p  Dr. Roland Kawakami - PY 2030, 614-292-2515, kawakami.15@osu.edu
1:50p  Dr. Christopher Hill - PY 3048, 614-688-7512, hill.1369@osu.edu
3:00p  Dr. Richard Hughes - PY 3046, 614-292-7370, hughes.319@osu.edu
4:10p  Dr. Richard Hughes - PY 3046, 614-292-7370, hughes.319@osu.edu
5:20p  Dr. Lei Bao - PY 1016, 614-292-2450, bao.15@osu.edu
6:30p  Dr. Lei Bao - PY 1016, 614-292-2450, bao.15@osu.edu
MR5:35p  Dr. Jesse Martin - SM 1082, 614-688-4714, martin.1095@osu.edu -- different schedule

For excuses or permission for anything: see the course manager
   Dr. Ziegler - SM 1036A, 292-2067, ziegler.2@osu.edu

For WebAssign issues (access and technical issues): see the WebAssign administrator
   Dr. Bolland - SM 1106D, 292-8065, bolland.1@osu.edu

For help in physics: see your lecturer, TA, or visit the tutor room
   tutor room: SM 1011A&B
   my TA:

   See http://www.physics.ohio-state.edu/phys1250 for course policies
textbook: Physics for Scientists and Engineers, 9th edition by Serway & Jewett
   relevant chapter, section numbers in [brackets]
Homeworks & prelabs due through WebAssign (https://www.webassign.net/osu/student.html)
   WebAssign homeworks typically due Mondays at 11:59 pm
   Essential Skills typically due 11:59 pm Sunday
   Prelabs typically due 7:30 am Tuesday
lab manual: Physics 1250 Activities & Worksheets, 5th edition
Grading: HW=14%, ES=1%, PER=1%, lab=11%, prelabs=3%, quizzes=15%, midterms=2*15%, final=25%
   1 quiz, 1 prelab, and 1 lab are dropped; see course manager only if you miss more than this.
You are responsible for receiving messages sent through Canvas’s messaging system.

Essential Skills Assignments (ES) are short weekly assignments to help you improve basic knowledge and
   skills critical for this physics course. Some of the assignments repeat throughout the semester — this is to
   increase your fluency and keep your skills sharp, like practicing for a sport. Essential Skills Assignments are
   accessible at http://go.osu.edu/essentialskills. To contact the Essential Skills team send email to physics-
   essential-skills@lists.osu.edu.

PER: Short surveys at the beginning and end of the term
LABORATORY: #1 1-D Kinematics
T Aug 22 L Introduction, Units [1.4]; prelab due at 7:30 am every Tuesday
W Aug 23 L Acceleration [2]
F Aug 25 L Acceleration

LABORATORY: no lab this week; Monday labs meet (count as previous week)
S Aug 27 Essential Skills (ES) due at 11:59 pm every Sunday
M Aug 28 R Quiz 1 (acceleration); Homework #1 due
T Aug 29 L Vectors [3]
W Aug 30 L Projectile Motion [4.1-3]
F Sep 1 L Forces [5.1-4]

LABORATORY: #3 2-D Kinematics
M Sep 4 L holiday
T Sep 5 L Forces [5.5-6]; Homework #2
W Sep 6 L Forces [5.7]
F Sep 8 L Friction [5.8]

LABORATORY: #4 Dynamic Forces
M Sep 11 R Quiz 2 (projectile motion); Homework #3 due
T Sep 12 L Friction
W Sep 13 L Circular Motion [4.4-5, 6.1-3]
F Sep 15 L Circular Motion [13.1] (end of first midterm material)

Last date to drop a course without receiving a W

LABORATORY: #5 Static Friction
M Sep 18 R Quiz 3 (forces, no friction); Homework #4 due
T Sep 19 L Work & Energy [7.1-5]
W Sep 20 L Energy [7.6-9]
F Sep 22 L Energy [8.1-4]

LABORATORY: #6 Conservation Of Energy
M Sep 25 R Quiz 4 (forces with friction); Homework #5 due
T Sep 26 L Energy & Power [8.5]
W Sep 27 L Momentum [9.1-7]
F Sep 29 L Momentum

LABORATORY: #7 Conservation Of Momentum
M Oct 2 R MIDTERM 1 [chapters 1-6] in recitation class; Homework #6 due
T Oct 3 L Momentum [pp. 257-259 (elastic collisions)]
W Oct 4 L Rotation [10.1-3]
F Oct 6 L Rotation [10.5-6]
LABORATORY: no lab this week; Monday labs meet (count as previous week)
M Oct 9  R  **Quiz 5** (work & energy); **Homework #7** due
T Oct 10 L  Rotation [10.4]
W Oct 11 L  Rotation [10.7-9]
F Oct 13  autumn break

LABORATORY: #8 Energy and Momentum
M Oct 16 R  **Quiz 6** (momentum); **Homework #8** due
W Oct 18 L  Rotation
F Oct 20 L  Rotation [12.1-3] (end of second midterm material)

LABORATORY: #9 Rotational Dynamics
M Oct 23 R  **Quiz 7** (rotation); **Homework #9** due
T Oct 24 L  Oscillations [15.1-2]
W Oct 25 L  Oscillations [15.3-5]
F Oct 27 L  Oscillations [15.6-7]

*Last Day to withdraw without petitioning*

LABORATORY: #10 Vibrations
M Oct 30 R  **MIDTERM 2** [chapters 7-12] in recitation class; **Homework #10** due
W Nov 1  L  Fluids [14.5-7]
F Nov 3  L  Thermodynamics [19.1-4, 20.1-3]

LABORATORY: no lab this week; Monday labs meet (count as previous week)
M Nov 6  R  **Quiz 8** (oscillations); **Homework #11** due
T Nov 7  L  Thermodynamics [19.5, 20.4-6]
W Nov 8  L  Thermodynamics
F Nov 10 L  holiday

LABORATORY: #12 Heat Engine
M Nov 13 R  **Quiz 9** (fluids); **Homework #12** due
T Nov 14 L  Thermodynamics [21, 22.6-8]
W Nov 15 L  Thermodynamics [20.7, 22.1-5]
F Nov 17 L  Thermodynamics

LABORATORY: no lab this week; Monday labs meet (count as previous week)
M Nov 20 R  **Quiz 10** (thermodynamics); **Homework #13** due
T Nov 21 L  TBA
W Nov 22  travel day
F Nov 24  holiday

Online SEIs become available on or about Nov 26. If 65% of the course completes SEIs for both lecturer and TA, a second quiz will be dropped.
LABORATORY: #13 Special Relativity -- Thursday & Friday only
M Nov 27 R TBA
T Nov 28 L Relativity [39.1-4]
W Nov 29 L Relativity [39.6]
R Nov 30 prelab due Thursday this week
F Dec 1 L Relativity [39.5]

LABORATORY: #13 Special Relativity -- Monday through Wednesday only
M Dec 4 L review
T Dec 5 L Relativity [39.7-8]
W Dec 6 R review
R Dec 7 Homework #14 due; SEI's must be completed by 11:59 pm

FINAL EXAM for 12:40 section at 2:00 pm Thursday Dec 14 in recitation rooms
FINAL EXAM for 1:50 section at 2:00 pm Wednesday Dec 13 in recitation rooms
FINAL EXAM for 3:00 section at 12:00 n Friday Dec 8 in recitation rooms
FINAL EXAM for 4:10 section at 4:00 pm Thursday Dec 14 in recitation rooms
FINAL EXAM for 5:20 section at 6:00 pm Friday Dec 8 in recitation rooms
FINAL EXAM for 6:30 section at 8:00 pm Monday Dec 11 in recitation rooms
FINAL EXAM for MR-5:35 section at 6:00 pm Friday Dec 8 in lecture room

* By university rules, your regularly scheduled final exam in physics takes precedence over common finals in other courses (like math or chemistry). The other class must offer you an alternate time.