PHYSICS 121 (Hybrid)  
Syllabus - Winter 2012

Instructor: Les Uhrich  
Office: Rai 464, 253-964-6775  
Home Number: 253-752-6585  
email: luhrich@pierce.ctc.edu

Office Hours:  
MW 3:05-4:35 PM, TTh 2:10-3:10  
Others by Appt.

Required Text: * College Physics by Serway - 9th Ed (Hybrid + Webassign)  
Optional Text: * Student Study Guide (very helpful)  
Req'd Supplies:  
* Engineering Paper (Write only on plain side)  
* Mechanical pencil (.5mm -> .7mm)  
* White eraser (not pink pearl!)  
* Straight edge, circle template or compass  
* Simple scientific calculator

Class/Lab Schedule: M-Th 11-11:50 PM - Rai462/467 plus 2 addtn'l hours of online activities.

Daily attendance is expected. Unexcused absences will be counted as a liability for borderline grades.

Homework and other assigned material must be handed in (or completed online) by the beginning of the period on the due date even if I don't ask for it.

Late assignments will not be accepted. In case of absence, it will be your responsibility to find out what was assigned, handed out, or otherwise announced and keep yourself up-to-date.

You must be prepared to spend at least 12 hours each week on homework. Form study groups early; they are very helpful for many people. Tutorial help is available in the Tutoring Center. You are invited to see me for individual or group help outside class during office hours or by making an appointment to see me.

Course grading:

- Chapter Tests 35% of total grade
- Homework, (and activities) 20% of total grade
- Lab Reports 20% of total grade
- Final Exam 25% of total grade
GRADING SCALE

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EXAMS

* Tests cannot be made up. Your lowest test grade will be discarded (excluding the final).
* 3”x5” formula card allowed for exams (5”x8” for the final)

HOMEWORK

* Neither homework, activities, nor unscheduled quizzes can be made up. Please do not ask to turn in late homework or other non-lab assignments for any reason. There are two ways to avoid this:
  1. If you anticipate an absence: Hand in the assignment early or give it to a responsible friend to hand in for you.
  2. If you wake up too sick to make to class. Call a friend and ask them to deliver your homework for you.
* Lab reports can be turned in late, but maximum possible grade will be 75% for the late report.
* Assignments are due at beginning of class on due date.
* Note that I do offer plenty of extra-credit possibilities so even with a few glitches; you should be able to cope.

Information for Students with Disabilities:

1. Fort Steilacoom and Military Faculty
   Students with disabilities who believe they may need academic adjustments, auxiliary aids or services to fully participate in course activities or meet course requirements are encouraged to register with the Access and Disability Services (ADS) Office, Room 300K in the Cascade Building. You may also call the ADS Office to make an appointment to meet with the ADS Coordinator at (253) 964-6526 or 964-6527. Students requesting accommodations must obtain the "Approved Quarterly Academic Adjustments, Auxiliary Aids or Services" (green) form provided by ADS.

2. Puyallup and South Hill Puyallup Faculty
   Students with disabilities who believe they may need academic adjustments, auxiliary aids or services to fully participate in course activities or meet course requirements are encouraged to register with the Access and Disability Services (ADS) Office, Room 102A in the Administration Building. You may also call the ADS Office to make an appointment to meet with.
Emergency Procedures for Classrooms

Call 911 and then Campus Safety in response to an imminent threat to persons or property. In the event of an evacuation (intermittent horns & strobes), gather all personal belongings and leave the building using the nearest available safe exit. Be prepared to be outside for one hour and stay a minimum of 200 feet from any building or structure. So long as it is safe to do so students are expected to stay on campus and return to class after evacuations that last less than 15 minutes. Do not attempt to re-enter the building until instructed by an Evacuation Director (identified by orange vests) or by three horn blasts or bell rings. Please notify the nearest Campus Safety Officer or Evacuation Director of any one left in the building or in need of assistance.

Fort Steilacoom Campus Safety (253) 964-6751 - Puyallup Campus Safety (253) 840-8481

RULES FOR DROPPING
* Rules for dropping are as follows: during the first 10 days of classes you may drop without my signature. After this period, a pretty good reason for dropping will be required especially if the class was closed to enrollment prior to the first day of class.

RULES OF CONDUCT

You will be treated as an adult. It is expected that you will act as a responsible adult.

Honesty
* Plagiarizing (including faking lab data or copying data from another observer without proper acknowledgment) will be treated as grounds for dismissal from class as well as a failing grade.
* Persons caught cheating on exams may be expelled from the class as well as the college, and receive a failing grade.

Class Participation
* All students enrolled for the class are expected to contribute to the learning process by participating in classroom discussions.
* Please do not speak out in class until you are "given the floor". I will recognize you by your raised hand and give you the floor. This is necessary to avoid confusion and to give each speaker the right to be heard.

Working Together
I encourage you to talk to other students in class about physics. Feel free to work in groups to discuss solutions to the homework and labs. Avoid "BS" sessions; they are a waste of good study time (even though they are fun). Limit groups to two or three. If you work in groups go off by yourself to complete the final form of your solutions. Do not rob yourself of the needed practice for the exams. Choose three or four problems you think could be candidates for the exam and do as quickly as possible, timing yourself. This will give you experience under "game conditions".

You may or may not already know a lot about physics. Regardless, to succeed in a new course, you must learn new concepts, new terminology, new symbols, and new meanings for familiar words. You must pay meticulous attention to steps, procedures, and have to read differently than you may be used to, as the language of physics is precise, concise, and dense with symbols, formulas, equations and graphs.

Be confident. This means TRUST yourself. Don’t waste energy worrying about difficulties. Many failures are the result of a disorganized and emotional approach—a generalized anxiety about physics—not the inability to do the work. Take one concept at a time, one step at a time and the process will unfold. Banish the damaging attitude, "I can't do physics."
PHYSICS TAKE-HOME-ASSIGNMENTS FORMAT

Due to the many problems in the past, such as, assignments turned in late, assignments "turned in" and "disappearing mysteriously", solutions indecipherable, etc., a formal list of specifications for all assignments turned in for credit is herein provided to you to help insure credit for your homework. The instructions below must be followed exactly, in detail, for credit. There are no exceptions.

Homework must be done on Engineering Paper

HEADING ON TOP MARGIN OF FIRST (TOP) SHEET MUST INCLUDE:

a) Title of assignment: (Chpt 5 exercises, problems; etc.)
b) Name, first and last
c) Date turned in
d) Class (e.g. Physics 121)
e) Assigned homework:
   i) Number of those, and only those, exercises or problems assigned for that due date.
   ii) Due date of the assignment

ALL SHEETS:

a) Problems must appear in sequential order
b) Include space for all problems, even if nothing written in.
c) Pages must be numbered and in sequential order
d) Name and assignment title must appear at top of all pages.
e) Homework solutions:
   i) Solutions must be neat and easy to read
   ii) Solutions must be done in a logical, step-wise, fashion and easy to follow. (see physics - study handout)
   iii) Incomplete solutions will not receive full credit.
   iv) Final answer must be circled
f) Homework must be done on engineering paper

EXAMPLE: (on top right-hand side of front sheet)

-----------------------------------------------------------------
Dudly Doright            Physics 121
I did Extra credit #48 & 49
Due: June 14, 2008 Turned in: June 14, 2008
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Late assignments will not be accepted. You are responsible for finding out what was assigned on any given day. You are responsible for getting the assignments to the class by the beginning of the period. If you cannot bring an assignment in by the due date, have someone else do it for you (at your risk). If missing "turned in" assignments become a problem, I will collect assignments individually from each student.

There will be some of you who might consider this a bit too stern. Many however, feel that these are typical homework requirements. Each of you, as you continue with your academic and career growth, will find that you will be required to produce papers (assignments, reports, etc.) in much more detail and with a greater degree of rigor while following very specific formats. What you are getting here is a head start.
Informed Consent Statement

As a part of the instruction in the physics courses at Pierce College, students are required to perform laboratory experiments that may include exposure to hazards such as hot materials, electrical shock, loud sounds, microwaves, light from lasers, ultraviolet light, radioactive rays, and objects that are moving or rotating at high speeds.

I realize that care should be taken to follow directions and common sense should be used when using the apparatus. I am aware that there are some dangers present while performing the laboratory experiments and that I will be attentive to my safety and to the safety of those around me.

Printed name

________________________________________

Signature

________________________________________

Date

Les Uhrich
Instructor
(Please fill out profile and return form to instructor NOW)

STUDENT PROFILE

Class Title & Number (Math101, PS101, etc)____Physics121_(H)________________________

Name_____________________________________________SID# ________________________________

Address________________________________________City________________Zip____________________

Email address (print CLEARLY)___________________________________________________________

Phone Number(s) Home: __________________Work (or Msg#)_______________________________

Highest Math Level Achieved________________________________Grade:_______________________

Education/Occupation Plans____________________________________________________________

Job now working (if any)___________________________________________ where________________

Classes This Quarter (List) each_______________________________________________________

(Example)

Number of hours worked each week ________ (20)

No. Credits now taking, multiplied by three ________ (45) (3 x 15)

Total ________ 65

Grade you are going to shoot for:__________

Circle the best choice:

I Like problem solving: (1 = No!, 10 = a lot!) 1 2 3 4 5 6 7 8 9 10

My ability to study many hours (1=poor 10=great) 1 2 3 4 5 6 7 8 9 10

My Level of Self-Motivation (1=poor 10=great) 1 2 3 4 5 6 7 8 9 10

Interests: (hiking, dog sledding, movies, etc.)

I understand that late assignments will not be accepted (initial) ________

I understand that missed exams cannot be made up (initial) ________

Comments: (Anything I should know about you? Anything you want to say to me in private?)