Instructor Contact Information
Keith Warren
NC State University
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Raleigh, NC 27695-8202
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keith_warren@ncsu.edu (Always add PY 131 and your section number to the subject line. It helps me respond to you before I handle my other email messages).

Office Hours (Riddick Hall):
I am generally in my office and available around 9am each day. Please feel free to schedule an appointment or just drop by. I will also be available from 2:45-3:15 each Tuesday and Thursday after my campus class.

Course Description
This course covers the fundamentals of physics from a conceptual rather than a mathematical viewpoint. Students will learn how physics underlies their everyday experiences. Real-life applications, which every student can relate to, are used to explain concepts such as gravity, motion, sound, electricity, and magnetism. Numerous discussions, video demonstrations, and discovery-based laboratories further enrich the learning experience.

Course Goals
This course is designed to help students:
・ enhance the way they see the world by wondering about things they may have once taken for granted;
・ begin to think about the physics in everything they see around them; and
・ gain a richer understanding of everyday physical phenomena.

Required Material to purchase for the course
   
   You may use an older edition if you can find one. The older versions have some different homework and the chapter numbers are moved around some. The material however is comparable. If you have an older version, ensure you are in the correct chapter.

2. WebAssign for the class section 601. This will be for homework assignments and your course grades will be stored here.

Special Technical Requirements
・ Adobe Flash player is needed for the videos.
・ Word processing software (such as MS Word, Open Office or Google Docs)
・ Adobe Acrobat Reader
・ MS Excel
Course Organization
This course contains seven modules. Each Module is then made up of specific chapters in the book.
1. Linear Motion, Kinematics and Newton’s Laws
2. Momentum, Energy and Rotational Motion
3. Projectile Motion, Orbits and Gravity
4. Phase, Temperature and Heat
5. Vibrations and Waves
6. Electricity and Magnetism
7. Optics and Relativity

Course Schedule
I highly recommend you follow the calendar for the on campus class. You should make sure you are keeping pace as you progress through the course. I list each test on three days. You are to schedule your test for some period during those three days and will be allowed 75 minutes to take the test once you start. The course schedule can be found in Moodle on the course calendar.

Course Requirements
You are expected to:
- Complete all assignments by the due date.
- Check into the online course at least three days a week to see new announcements, check messages and view discussion postings.
- Complete all module tests and the final exam.

Lecture Videos – You are expected to view each lecture video in its entirety. Failure to watch videos will reduce your classroom participation grade.

Readings – For each module, you will be responsible for reading assigned textbook chapters and reviewing other online material or articles that may be provided. Failure to read notes will reduce your classroom participation grade.

Homework – All lectures have an accompanying homework assignment that will be graded. If you do not complete your homework on time, you may request one automatic extension per homework assignment during the first three days after the assignment is due. Should you use your extension, you will automatically lose 50% on any uncompleted questions.

Labs - Labs will be completed remotely. There will be lab assignments throughout the semester requiring you to build a setup using simple things around your house or using virtual equipment. You will take measurements and prepare write ups as do students who take lab on campus. Because lab is an integral part of the course as a whole, if you receive a grade below 50% in lab, you will fail the whole course.

Module Tests - There will be three scheduled module tests over the course of the semester. Students will be required to obtain a university-approved proctor or take the exam at one of the DELTA facilities on campus. (See below).

Final Exam – The final exam is required for all students and covers all content in the textbook for chapters covered in class. The final exam is worth 15% of your final grade. You will be given a choice of two days to take each test/exam. The dates you may choose from are listed in the Course Schedule.

Classroom Participation – This grade is given at the discretion of your instructor. It is based on how often you access the course, how many of the lecture videos you watch, how many of the course notes you read and how often you post questions and answer questions in the Conceptual Café.
Local Testing
Students in the Raleigh area will need to review the information on the Local Proctoring Page. This page covers parking instructions, hours, etc. Please Note all testing is done on a walk-in basis. It is the student’s responsibility to arrive with enough time to complete their exams by the posted closing times for the Testing Center.

Remote Testing:
Students that live outside of a 50 mile radius of campus can elect to use a remote proctor. Instructions how to submit a Remote Proctor, deadlines for submission, etc. can be found on the Remote Proctoring Page. All students must submit their remote proctor request at least 10 days prior to their first exam.

Missed Test Policy – NO MAKEUP TESTS for any reason. If you miss a test and present university accepted documentation within 1 week of missing the test, I will assign your final exam grade to the missed test (this will weigh your final more). Without university-accepted documentation, you will receive a zero for that test.

Assignment Percentage
Class Participation 5%
   Homework 10%
      Lab 10%
      Test 1 20%
      Test 2 20%
      Test 3 20%
   Final Exam 15%
TOTAL 100%

A+ ~97.0 A ~ 93.0 A- ~ 90.0
B+ ~ 87.0 B ~ 83.0 B- ~ 80.0
C+ ~ 77.0 C ~ 73.0 C- ~ 70.0
D+ ~ 67.0 D ~ 63.0 D- ~ 60.0

Extra Credit at the End of the Term?
There is none. You are given ample opportunities throughout the semester to obtain a good grade for the course. Monitor your grades throughout the semester. If you are not receiving the grades you think you should be, make an appointment to discuss your grades and study habits with your professor. It is far easier to fix problems early in the semester than after the last test has been taken.

Communication Guidelines
Common courtesy in all online communications is expected, including email, discussion boards, chats, etc. Please do not use inappropriate or offensive language in communications. See the Guidelines for Online Discussion Forums (Netiquette) for more details.

Communicating with Your Instructor - For general questions about the class, please post in the Conceptual Cafe forum in Moodle. This will allow all students to benefit from the answers. I will respond to discussion board questions every day or two. If I have urgent announcements regarding the class, I will send email using the class distribution list, which will send email to your Unity email address. If your Unity email is set to forward to another email account, please verify that it is forwarding to an email address you check on a daily basis.
For questions regarding your individual grade, please email me. I will generally respond to emails within 48 hours, with the exception of holidays and holiday weekends. On regular weekdays, responses will typically be sooner than 48 hours.

Communicating with Your Classmates - In addition to the required postings to the discussion forums, you may post in social discussions (see the discussion forum called ‘Conceptual Café’). You are also encouraged to use the ‘Conceptual Café’ to ask questions regarding any problems you are having with homework. Even if you don’t have questions, it would be good to check into the forum area each week because your classmates may have questions that you can help them with.

You are welcome to share your personal contact information with your fellow students, but this is not required.

Academic Integrity
Students are expected to abide by the principles outlined in NC State University’s “Code of student Conduct:” See http://www.ncsu.edu/policies/student_services/student_conduct/POL445.00.1.htm. The university has procedures in place for academic integrity violations. A RAIV form may be used to adjust student grades. http://www.ncsu.edu/student_affairs/osc/documents/RAIVform.pdf

By the conclusion of each examination, students will be required to sign the University Honor Pledge: “I have neither given nor received unauthorized aid on this test or assignment.” Although no honor pledge appears on the homework assignments, it is expected that students will complete assignments themselves with only a reasonable amount of assistance from other students, TA’s, tutors or the instructor.

Communicating Technical Problems – if you experience technical problems with any of the following applications please contact the following:

・ the NCSU Help Desk at (919) 515-HELP (4357), help@ncsu.edu, or http://help.ncsu.edu.