



INSTRUCTOR: Michael Leonard

E-MAIL: via canvas inbox!

COURSE TIMES

Lecture: Monday, Wednesday 5:00 – 6:45 p.m. in TCES 205

Lab: Monday, Wednesday 7:30 p.m. – 8:45 p.m. in TCES 205

OFFICE HOURS

By appointment/Email

REQUIRED MATERIALS:

1. **College Physics:** Openstax free textbook
 - a. **Link on Canvas**
2. **The Expert TA Subscription:**
 - a. **Link on Canvas**
3. **A laptop computer** meeting published SNC laptop requirements
 - a. **Install Logger Pro** (see instructor)
4. **Scientific Calculator** (Expected to bring this every day.)
5. **3 x 5 index cards**

COURSE WEBSITE:

Canvas Course Site

The Expert TA site for online homework at <https://theexpertta.com/>

COURSE OBJECTIVES:

- 1) Understand and recall the facts, equations, and concepts of electromagnetic theory
- 2) Demonstrate competence in basic experimental techniques in physics
- 3) To compare methods of scientific measurement and apply basic mathematics and algebra to physics concepts and problem solving
- 4) Develop critical thinking and problem solving skills as they relate to understanding the physics in the world around us.



WHAT AND WHEN



There are two lecture sections per week from 5:00 -6:45 p.m. on Mondays and Wednesdays. Attendance is mandatory for the lecture, students who fail to attend lecture typically do not do well in the course because they miss the class participation and guided practice. To be a successful student during the active learning part you must bring a calculator for every lecture.



There will online homework assignments due on The Expert TA as needed by topic. Every assignment will be do 1 week after it is made available. Homework assignments will cover material from the previous class periods. Your lowest 2 homework assignments will be dropped. There are no make-up web assignments. There will also occasionally be paper homework assignments. These will not be accepted after their due date.



There will be two unit exams during the regular lecture time and will be announced at least one week prior. There are no make-up exams and excused absences must be discussed with the instructor prior to the exam.



There are two laboratory sessions per week from 7:30 p.m.-8:45 p.m. on Mondays and Wednesdays Attendance for the laboratory session is mandatory. There are no make-up labs and any excused absences must be discussed with the instructor at least one laboratory session prior to the absence. Lab time will be used for a combination of experimental labs and team problem solving worksheets.



Laboratory etiquette will be assigned for each lab session (both physical experiments and team problem sets.). These points are assigned for working together, not skipping ahead, no “divide and conquer”, and generally attempting to learn. (*If you are taking your education seriously, these should be free points.*)



I will not discuss grade related issues during class time. If you feel something has been graded incorrectly, please see me outside of class

**GRADING**

This course is graded on a weighted point-based system. Points are awarded for completion and correctness of assignments.

	Percentage of Overall Grade
The Expert TA Online Homework	25%
Participation Points	5%
Lab Etiquette	5%
Labs	25%
Exams	40%

Grading Scale:

The Percentage Labbreakdown of letter grades in this class:

A	93%	C	73%
A-	90%	C-	70%
B+	87%	D+	67%
B	83%	D	63%
B-	80%	D-	60%
C+	77%	F	Below 60%

PARTICIPATION POINTS

-  You cannot learn effectively if you show up late, or if you do not participate. Learning is an active process, and sometimes will be a struggle. Participation is worth 5 points per day, 1 point for being present and prepared to start at 5 pm. The remaining 4 points for actively participating in class activities. (*These should be free points if you are taking your education seriously.*)
-  Please turn off and store your cell phones when you arrive in class and lab. Cell phone use during class is distracting to both yourself and others, and will not be tolerated. A 1-point deduction will occur for **EVERY** violation.
-  You must have a calculator for class work, exams and labs. PDAs, cell phones, and laptops will not be allowed during exams or in labs. Using such items during an exam will result in a zero grade for the exam.



HOW TO SUCCEED IN PHYSICS

-  Never get behind, never get behind, ***and never get behind!*** Get the picture? There is an enormous amount of material to be learned, and it can only be accomplished through very disciplined study. Get behind and you're sunk. You can't learn it all the night before the exam.

-  Focuses on the concepts, do not just memorize the material. There is a fair amount of memorization you will have to do, but it's much easier if you understand the material first.

-  Memorization will be important regarding equations. It is impossible to be successful without committing these simple equations to memory.

-  Practice, practice, ***practice!*** Do all of the suggested problems on The Expert TA, and be engaged in class.

-  Come to class every day. Successful students rely more on their lecture notes than on the text. And remember it's the person giving the lectures, not the author of the text that is writing the exams.

-  When you get lost, come in and get help! Feel free to email me. Please, please, please don't wait!



OTHER USEFUL INFORMATION

Recording of Lectures and Labs: Surreptitious or covert video-taping of class or unauthorized audio recording of class is prohibited by law and by Board of Regents policy. This class may be videotaped or audio recorded only with the written permission of the instructor. In order to accommodate students with disabilities, some students may have been given permission to record class lectures and discussions. Therefore, students should understand that their comments during class may be recorded.

ADA Accommodations

In accordance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973, students with a documented disability are eligible for support services and accommodations. If a student wishes to request an accommodation, please contact the Director of Academic Support Services, Henry Conover, at (775) 831-1314 x7534, hconover@sierranevada.edu, office in Prim Library: PL-304.

The SNC Email System

The SNC email system is the official communication vehicle among students, faculty members and administrative staff and is designed to protect the confidentiality of student information as required by the Family Educational Rights and Privacy Act of 1974 Act (FERPA). Students should check their college email accounts daily during the school year.

Students have a right to forward their SNC e-mail to another e-mail account (for example, @hotmail or @gmail). However, confidentiality of student information protected by FERPA cannot be guaranteed for SNC e-mail forwarded to an outside vendor. Having email redirected does not absolve a student from the responsibilities associated with official communication sent to his or her SNC email account.

Sanctions for Cheating and/or Plagiarism

The Honor Code

The faculty of SNC believes students must be held to high standards of integrity in all aspects of college life in order to promote the educational mission of the College and to encourage respect for the rights of others. Each student brings to the SNC community unique skills, talents, values and experiences which, when expressed within the community, contribute to the quality of the educational environment and the growth and development of the individual. Students share with members of the faculty, administration and staff the responsibility for creating and maintaining an environment conducive to learning and personal development, where actions are guided by mutual respect, integrity, responsibility and trust. The faculty and students alike must make diligent efforts to ensure high



standards are upheld by their colleagues and peers as well as themselves. Therefore faculty and students accept responsibility for maintaining these standards at Sierra Nevada College and are obligated to comply with its regulations and procedures, which they are expected to read and understand.

Consequences of Violating the Student Honor Code

SNC students and faculty share the responsibility for maintaining an environment of academic honesty. Thus, all are responsible for knowing and abiding by the SNC Faculty/Student Honor Code published in the current SNC Catalog. Faculty are responsible for presenting the Honor Code and the consequences of violating it to students at the start of their classes AND for reporting all incidences of academic dishonesty to the Provost. Students are responsible for knowing what constitutes CHEATING, PLAGIARISM and FABRICATION and for refraining from these and other forms of academic dishonesty. Violations of the Honor Code become part of a student's academic record.

1st Offense: Student receives a zero for assignment/exam and counseling with faculty on the honor code, consequences for violating the honor code, and the value of academic honesty in learning.

2nd Offense: Student fails course and receives counseling with faculty on the honor code, consequences for violating the honor code, and the value of academic honesty in learning.

3rd Offense: Student is expelled.