Meeting Time: Friday 8:00 -10:50 am

Location: Nielsen Physics Building 207

Instructors: Casey Eichstaedt (ceichsta@vols.utk.edu), Andrew Keeler (akeeler@vols.utk.edu)

Office Hours: Casey Thursday 2:30-3:20 Nielson 201 or by appointment. Andrew by appointment.

Textbook: "College Physics", a free, online textbook by OpenStax College (http://openstaxcollege.org/). The link to the HTML version is http://cnx.org/content/col11406/1.7/, (IE user, use compatibility view), and a PDF copy can be downloaded from Blackboard under Textbook.

Additional resource: Jay Newman, Physics of the Life Sciences
This textbook is online at the UT library.
http://www.springerlink.com/content/978-0-387-77258-5/#section=679089&page=11&locus=0

Class Expectations:

- **Before each section meeting** student are required to study the web-based material and read the accompanying chapter in the textbook. Students then test their understanding by completing an on-line pre-lab assignment. This is very important. Without having already gone through the material at least once, it is nearly impossible to follow the material covered in the studio sessions.

- **In the section meetings** students will work in small groups. They will perform experiments and participate in other activities to further explore the physics concepts introduced in the reading assignments to gain an understanding of how these concepts apply to a wide range of real world problems and situations. Students will discuss the outcomes of the experiments and activities with their group members or the whole section. Students will turn in a lab record for each group at the end of the lab and delete data from shared computers. Copied lab work will not receive credit.

Lab Groups: Labs will be performed in groups of **three**. Initial groups can be chosen by the students but may be reassigned by the instructors.

Grading:
Lab reports: 70 %
Quizzes: 30%
The lowest lab and quiz will both be dropped. However grades due to unexcused absences will not be modified. In other words if you have a 0% in an assignment due to an unexcused absence your next lowest grade will be dropped.

The lab overall grade counts for 25% of your final grade in this course!!

**Cell Phones/Technology:** Please be respectful. Use of electronic devices to supplement the lab is fine, but use of electronic devices for other purposes is not. While on the computers social networking is not allowed. Repeated abuse will result in being dismissed from that lab and asked to return next week. No credit will be given for such dismissal.

**Honor Pledge:** “An essential feature of the University of Tennessee, Knoxville is a commitment to maintaining an atmosphere of intellectual integrity and academic honesty. As a student of the university, I pledge that I will neither knowingly give nor receive any inappropriate assistance in academic work, thus affirming my own personal commitment to honor and integrity.”

**University Disability Statement:** “Any student who feels s/he may need an accommodation based on the impact of a disability should contact me privately to discuss your specific needs. Please contact the Office of Disability Services at 865-974-6087 in Hoskins Library to coordinate reasonable accommodations for students with documented disabilities.”

**Attendance:** Is mandatory; there will not be any make-up labs. Quizzes will be used to take attendance. At the instructor’s discretion students may make up a lab with a later section. If for any reason you must miss a lab please notify your instructor in advance. In case of an unforeseen scheduling conflict please bring documentation regarding your absence e.g. doctor’s note

**Lab Schedule:** [http://web.utk.edu/~cnattras/Physics222Fall2014/studio_sessions.htm](http://web.utk.edu/~cnattras/Physics222Fall2014/studio_sessions.htm)

*Syllabus subject to change. Any changes will be posted on Blackboard and/or emailed to you.*