

GENERAL PHYSICS I INQUIRY SESSIONS (Lab)*
PHY-1511 SEC. 01, MTWRF 2:15 – 4:15 PM, 130 CONGDON HALL

Instructor: Dr. Brad N. Barlow, 363 Congdon Hall, Email: bbarlow@highpoint.edu

Office Hours: TBD, 363 Congdon Hall (**Dr. Barlow**)
TBD, 129 Congdon Hall (**Damon Smith**, TA)

Overview: A laboratory to accompany PHY 1510. Topics include measurement, error analysis, graphical interpretation, curve fits, video analysis, and computer acquisition interfaces and sensors. Applications are congruent with topics covered in PHY 1510.

Course Website: physics.highpoint.edu/~bbarlow/courses/phy1511.html

WebAssign: We will be using WebAssign throughout the semester to manage homework assignments. Go to <http://www.webassign.net/> and click “I Have a Class Key” (right side of page). Enter **highpoint 7752 3863** into the three fields. After submitting our class key, click the button that says “Yes, this is my class.” And then, if you haven’t done it before, create an account in WebAssign. If you already have a WebAssign account, you can enter your account information and log in. *Do not create more than one account.* Please note that there is a separate WebAssign page for PHY-1510, the lecture course that goes with PHY-1511.

Important Dates:

Last day to drop without record or add a course Jun 4
Last day to drop with a *W* Jun 13
LAB PRACTICAL **TBD**

Required Materials: (1) WebAssign account (see above). (2) You will need to have a scientific calculator. *Bring this with you to lab each and every day.* (3) Lab Notebook – You will be given numerous handouts. I expect you to use a 3-ring binder. I expect to see all of your lab handouts neatly organized in the notebook. It should include printouts of curve fits, data, or anything else created during lab. I will do random notebook checks and will include these checks as part of the grade for lab reports.

Textbook: None.

Expectations / Daily Schedule: Each day, we will go through a different “inquiry session” (laboratory experiment) that generally focuses on the day’s lecture topic. Students will carry out an experiment and then answer questions on WebAssign (“Lab Reports”) thereafter.

Attendance: Each day of a summer course is similar to **one week** of a normal, semester-long course. Consequently, the attendance policy must be strict in this course. You *may* be put on attendance probation

*I reserve the right to change this syllabus based on feedback from you and what I determine is best for the course. If the syllabus is updated, I will place an electronic copy of the syllabus on the course website.

if you miss a single class. If you miss two classes, I reserve the right to withdraw you from the course.

Late Policy/Rescheduling: Late assignments will NOT be accepted. NO early lab practical scheduling.

Course Conduct & Class Etiquette: Out of courtesy and respect for your instructor and fellow classmates, please refrain from using cell phones (for any purpose) during class. Also, computers may only be used for class activities such as taking notes, investigating a topic, doing homework, collecting data, etc. Facebook, Twitter, and other social networking sites are not allowed during class. Please check texts, voicemail, email, and other communication during our break between lecture and lab.

Grade Policy: Your grade will be based on (i) lab reports, which will be administered through WebAssign, and (ii) a lab practical at the end of the semester. The percentage breakdown is as follows:

Lab Reports	50%
Lab Practical	50%

Lab Reports: In each lab session, you will be required to carry out experiments, analyze data, and draw conclusions. Frequently, you will investigate topics before they are discussed in the lecture. For each lab you will be required to submit a lab report on WebAssign.

Lab Practical: At the end of the semester, you will have a lab practical that will include both multiple choice questions and lab tasks. You will be given a handout with more information on the format of the lab practical and how to prepare for it.

Letter grades will be assigned based off of the following scale:

≥ 97	A+
93.0 - 96.99	A
90 - 92.99	A-
87 - 89.99	B+
83 - 86.99	B
80 - 82.99	B-
77 - 79.99	C+
72 - 76.99	C
70 - 71.99	C-
60 - 69.99	D
< 60	F

To estimate your course average at any point during the semester, before the final exam:

$$Grade = (0.769 \times E) + (0.077 \times RQ) + (0.385 \times HW)$$

where: HW = average of homework assignment, E = average of exam grades, RQ = average of reading quizzes. Please note that I reserve the right to decrease minimum scores if it is appropriate.

Extra Credit: No extra credit is currently planned; however, the instructor reserves the right to provide extra-credit assignments to the entire class when deemed necessary. *If* such an opportunity is provided, details will be announced during the lectures.

Honor Code: The High Point University Honor Code asserts that:

- Every student is honor-bound to refrain from conduct which is unbecoming of a High Point University student and which brings discredit to the student and/or to the University;
- Every student is honor-bound to refrain from collusion;
- Every student is honor-bound to refrain from plagiarism;
- Every student is honor-bound to confront a violation of the University Honor Code;
- Every student is encouraged to report a violation of the University Honor Code.

My obligation is to promote academic integrity and to enforce the University Honor Code. This obligation includes appropriately interpreting the Honor Code, promoting conditions favorable to academic integrity, and reporting violations of the Honor Code.

I encourage collaboration on homework. I encourage you to work together to solve problems. You may check your work with others. You may use solutions manuals, tutors, books, and any other resource on homework. However, you must know how to solve problems independently so that you can solve unfamiliar problems on exams.

You must do your own work on an exam. You may not look at another persons exam. You may not use any other resource except the equation sheet that is given to you and your calculator. You may not store programs or equations in your calculator, and you may not use data stored in your calculator on an exam. Calculators may only be used to input numerical values and perform calculations.

Violation of the honor code will be handled according to procedures outlined in the Faculty Handbook.

Accommodations: Students who require classroom accommodations due to a diagnosed disability must submit the appropriate documentation to Disability Support in the Office of Academic Development on the 4th floor of Smith Library. Students' needs for accommodations must be made at the beginning of the course. Accommodations are not retroactive. To request accommodation letters, please contact Rita Sullivant in Academic Services, 841-9061, rsulliva@highpoint.edu.