

Computerized Homework In Physics

WEBSITE

Computerized Homework In Physics (CHIP) can be accessed from the website:

www.saintjoe.edu/~jcoy/physics122

If, for some reason, the main SJC web server is down, you can directly access CHIP at this address: chip.physics.purdue.edu/public/122SJ/spring2012

LOGIN

Your login name on CHIP is different than your main SJC email account. Your username is made up of the first six letters of your last name. If your last name has fewer than six letters total, the remaining letters will come from your first name. Here are two examples:

Southdown, Joseph login: southd

Doe, Joseph login: doejos

PASSWORD

Your initial password is determined from your student number. The initial password is ess122 followed by the last three digits of your student number. For example, if your student number is 9999567, your initial password will be ess122567 *Immediately after you log in for the first time CHANGE YOUR PASSWORD!*

CHANGING YOUR PASSWORD

To change your password, go to the starting Physics 122 CHIP page, and click on "Student Gradebook." There you will find a link called "Change My Password." Follow the prompts. If at any time you forget your password, contact me - I can force CHIP to change your password.

HOMEWORK LIST

After logging in, you will see a list of all the homework assignments for the semester, and the due date for each assignment. At the bottom of the page are several useful links, which I recommend that you explore. To begin a homework assignment, click on the appropriate link. A page will be displayed listing the homework problems from this assignment, and your current score for each problem.

PRINTING THE HOMEWORK

If you wish to print the homework assignment, select the link "View the entire assignment." This will load all problems on a single page, which you can then print.

DUE DATES

Homework is due on Thursday nights at 11:59 pm. (Note that CHIP is based in Lafayette - the difference in time zones will cause CHIP to report the homework due date as Friday at 12:59 am.)

LATE HOMEWORK

After each homework's due date, you have one week to complete the problems for partial credit. You may receive up to 50% credit for late problems, provided that you do not exceed the maximum number of allowed attempts.

MULTIPLE ATTEMPTS

Each problem has several allowed attempts. That way, if you get the problem wrong on the first try (or second, or third), you can still receive full credit for the correct answer (before the due date). For most numerical problems, there are ten allowed attempts. For multiple choice problems, there are fewer attempts, depending on the number of choices in the problem.

ENTERING NUMERICAL ANSWERS - GENERAL

To enter your answer, type the number in the box, and click "Enter". Note that CHIP displays the units that it is expecting to the right of the box. (For example, on one problem, CHIP may need answers in units of meters, but another problem could ask for the answer in units of millimeters.) Be sure to enter your answer in these units!

If you submit a correct answer, CHIP will display "OK", and award you the points. If you submit an incorrect answer, CHIP will display "NO", and increase the count of your attempts.

Note that the "Enter" button submits all answers that you have entered on the *entire page*. If you are not ready to have the all of the answers graded at once, click on the "Cancel Current Inputs" button, and re-enter the answer to the part you are ready to submit.

SIGNIFICANT FIGURES

Unfortunately, CHIP does not do math internally with only the significant figures. CHIP NEVER ROUNDS, so neither should you! If you round too much while working a problem, your final answer may be judged as incorrect, because you rounded differently than CHIP. Keep all (or at least 5 to 7) numbers throughout all of your calculations. When you enter the answer into chip, enter about 5 digits.

EXPONENT NOTATION

To enter answers that are either really large or really small, you may use exponential notation. For example, an answer of 1,234,567 can be written as 1.234567×10^6 . You can enter this answer by replacing the "x 10" with the letter "e". The correct way to enter this example is 1.234567e6

STUDENT GRADEBOOK

The Student Gradebook is where all of your grades for this course are stored. You can look at your grades at any time. In some cases, you can compare your grades to the class average.

The "View Running Totals" section will show your rough standing in the course. Note that it is only an estimate, since CHIP does not know everything. For example, CHIP does not know exactly how many points will be awarded for lecture quizzes, and calculates your grade based on an estimated number. CHIP also does not calculate excused absences correctly in the "View Running Totals" section. Only at the end of the semester are the excused absences correctly calculated.

PROBLEMS WITH CHIP

If you have any problems with CHIP, please email me (jcoy@saintjoe.edu)!