

Extra Credit Ground Rules

The Points

You will have three opportunities to get extra credit points. After the first exam, after the second exam, and after the third exam. The following chart shows how much the extra credit assignment will affect your final grade.

apply towards	Q1	Q2	Q3&Q4	points per extra assignment	effect on final grade per extra assignment
Test	1	2	3 or 4	3	$3 * 25\% / 4 = 0.1875$ pts
Project	1	2	3 or 4	2	$2 * 30\% / 4 = 0.15$ pts
Experiment	1, 2 or 3	4 or 5	6, 7 or 8	4	$4 * 30\% / 8 = 0.15$ pts

As shown in the table, the amount of points chosen for each type of assignment has roughly an equivalent effect on your final grade. Note that applying extra credit points towards the exam has a slightly greater value than applying them to the projects or experiments. However, you cannot get more than 100 on any one assignment. (ie. If you get a 95 on the test and try to apply 6 points of extra credit, your grade will only go up to 100, not 101.)

Depending upon the grade averages on your regular assignments for each quarter, we will give you one or two extra credit circuits to build. You can build only one circuit or you can build both. You can apply the points from each circuit towards a different assignment grade, but you cannot apply the points from one circuit to more than one assignment grade. (For example: You can get 3 points on test 1 for building circuit 1 and 2 points on project 1 for building circuit 2. Or you can get 6 points on test 1 for building circuits 1 and 2. You cannot take the points from circuit 1 and apply some of them to the test and some to the project.) There is no set time limit on completion of these circuits.

For each circuit. YOU MUST do the extra credit as an individual. Your points will be applied towards your grade on an individual basis. These circuits are not difficult, so it is unlikely that it will take more than one open shop to build one of them.

The Procedure

- 1) Come in to an open shop. Sign out one of our numbered proto-boards.
- 2) Build the circuit. You may need additional components not found in your kit to build it. Ask the staff for assistance if something you need is not already out on the front table.
- 3) Fill out the sheet for the circuit with your name and how you want the points applied.
- 4) Demonstrate to the staff member that the circuit works. Have him/her sign the sheet. YOU MUST tell the staff member what you would like to apply the extra credit towards at the time s/he signs the sheet.
- 5) Take the circuit apart, return the protoboard and the borrowed components. If you did not get the circuit to work, we can store it for you in the cabinet until you are ready to resume.
- 5) Give the sheet to your professor.