GPA Assignment

**U**sing the materials concerning grading in the Loras College Undergraduate Bulletin, design and develop a Microsoft Excel spreadsheet to help you track your GPA (Grade Point Average). The spreadsheet should have fields/columns for the following:

1. SEQ (Sequence number that you took your courses, e.g. 1, 2, 3,…)
2. DEP (Department designation for the course, e.g. ART, BUS, LIB…)
3. NUM (Course Number, e.g. 120)
4. SEC (Section Number, e.g. section 3)
5. TITLE (Course Title, e.g. Intro to Computing Technology)
6. GE (General Education code, e.g. FM, MC, MD, AA, AC, etc.)
7. GR (Grade, e.g. A, A-, B+, B…)
8. CR (Credits – formatted with 1 decimal)
9. YEAR (Year you took the course)
10. SEM (Semester you took the course, FA, SP, SU, JT)

You will also need to add the following “calculated” fields:

1. GPTS (Grade Points, e.g. A=4.0, A-=3.7 etc. format with 1 decimal)
2. EARN (credits earned – grade of F or W = 0 credits earned)
3. ATT (whether the credits “are attempted” for purposes of computing the GPA, e.g. “P” - Pass grades do NOT, “F” - Fail grades DO count as being attempted)
4. HPTS (Honor points = Grade Points \* Credits if these count in the GPA)

**Y**ou should begin by printing off a copy of your course schedule (if you are a 1st semester student) or transcript from the IQ system. You will need to enter all of your courses into this spreadsheet.

NOTE: if you do not wish to use your “real” grades, you may “dummy up” some data. However, I would encourage you to use your actual grades and keep this copy for yourself.

ALSO, if you have courses from another school, copy your template onto a second sheet, and compute the GPA separately for these courses.

**T**o help you develop some “what-if” scenarios, set up an area on your spreadsheet to do some/all of the following:

* How many credits will you need to take in order to graduate?
* What is the “best possible” GPA you can earn?
* What will your GPA be if you earn a 3.0 (B average) in all the rest of your courses?
* What GPA do you need to complete in your remaining courses to graduate with a 3.0?
* NOTE: the 3.0 should be a VARIABLE – you want to be able to change this to a 2.5, a 2.0, a 3.5, etc.

**W**hen you have completed all your work, save a backup copy called GPA.xlsx on your I:\myweb\Courses\CIT110Basics folder, and link this to your web page. Also, print out a copy of the spreadsheet, making sure you do the following:

* Format the spreadsheet,
  + adjusting the column widths,
  + boldfacing field names,
  + left justifying text,
  + aligning numbers with an appropriate number of decimals,
  + modifying the headers and footers to include your name, sheet name, and instructor name; footer includes the file name, page X of Y, and date printed.
* Adjust the print out so you can print on the minimum number of pages