

# Excel Extra Credit Project

CS 102

60 points, due Dec. 15, 2003 at 2:00 PM

Do each of the following two problems. You should turn in the work by e-mailing it to me, by the due date and time, at [kelliher@goucher.edu](mailto:kelliher@goucher.edu); one piece of e-mail with the subject “CS 102 Extra Credit Project” containing three attachments. **If you are sending your project from a non-Goucher e-mail account, make sure your name is in the e-mail. No late projects will be accepted. No exceptions.**

1. A friend of yours is in the process of buying a home and has asked you to compare the payments and total interest on a 15- and 30-year loan. You want to do as professional a job as possible and have decided to analyze the loans in Excel, then incorporate the results into a short memo written in Word. As of now, the principal is \$150,000, but it is very likely that your friend will change her mind several times, and so you want to design your spreadsheet so that you can easily change your assumptions. This project requires that you create two files: the spreadsheet and the memo document. Turn in both files.
2. Your work study job next semester has placed you in the Provost’s office, where you are to create a presentation for the Board of Trustees. The Provost is expected to make recommendations to the Board regarding the expansion of some programs and the reduction of others. You are expected to help the Provost by developing a series of charts to illustrate enrollment trends. The Provost has provide you with an Excel spreadsheet (`enrolmnt.xls` on the class Web site under “Assignments) with summary data over the last several years. Put each chart on its own page of the spreadsheet. For each chart, provide some written justification of its inclusion (why you are including it) and design (why you chose the particular chart type). The justifications should appear on the original page of the spreadsheet.