

**CMSC 735**  
**Assignment #2**  
**February 23, 2006**  
**Due: March 3, 2006**

Please answer the following questions.

1. List the factors that you believe significantly affect software development costs and software quality? (3)
2. Argue the strengths and weaknesses of various size metrics, e.g., source lines of code, function points for characterizing, evaluating, predicting and improving the software product. (3)
3. Distinguish between process and product metrics and give an example of each. (2)
4. You are trying out a new unit testing techniques and want to know if it is effective. Define the goal for the method, i.e., what do you expect it to accomplish, and what kinds of data you will collect to provide some insight that the goals have been accomplished. Use both process and product metrics. (7)

Email your solutions to me and to Dr. Sima Asgari

This assignment is worth 15 points.

Note assignment 1 was worth 10 points. There will be a total of 100 points in the assignments.