

**CSI518 Software Engineering  
Spring 2003 Midterm Exam I**

March 27, 11:15 – 12:35

**Note: you must provide sufficient justifications for each answer and you must acknowledge the information obtained from any published or unpublished resource!**

1. Some of the software quality attributes may conflict with each other; give an example to describe this situation and suggest how you would resolve it.
2. Describe two software process models and compare their strengths and weaknesses. For each model, give an example software system in which the model would be the best fit.
3. Briefly describe the existing approaches for software requirement analysis and compare their strengths and weaknesses.
4. What are the criteria for evaluating the quality of software design? Explain why and how to measure them.
5. Describe two software architectural styles and for each style give an example software with which you would choose the style for the architecture design.