

## **CSI518 Software Engineering**

### **Fall 2003 Midterm Exam I**

October 21, 11:15 – 12:35

1. What are the function and the importance of software process modeling? What process model would you suggest for developing an e-commerce system and why?
2. Describe the pros and cons of Extreme Programming.
3. Explain why functional independence is a key for good designs and what criteria are usually used to evaluate the degree of functional independence of software designs.
4. What are CK metrics, how can they be used to evaluate software design quality and how would you compute them from UML-based specifications?
5. What types of the risks are likely to be encountered during the requirement phase and what risk-reduction activities would you recommend for resolving the risks?