

COSC 302 Study Guide  
Exam #1  
Spring 2008

- 1.) Give the software life cycle as it was presented the first day of class.
- 2.) What do we mean by the following terms: domain analysis, software architecture, maintenance.
- 3.) What is feature driven development?
- 4.) What is code and fix development?
- 5.) What were the software related issues revolving around the Therac-25?
- 6.) What is the Y2K38 bug?
- 7.) Write out 5 general testing characteristics.
- 8.) Draw the testing strategy spiral. What does each ring mean?
- 9.) What is V&V? What are the two questions that they pertain to?
- 10.) What are the two ways of generating unit tests and how do they work?
- 11.) What is unit testing?
- 12.) Give 4 ways that we can evaluate errors.
- 13.) What is regression testing? Why do we need to include this in our testing strategy?
- 14.) What is smoke testing? Why is it useful when we are talking about integration testing?
- 15.) What is the big bang approach?
- 16.) What are the procedures that we follow for a top-down integration approach? Bottom-up integration approach?
- 17.) What does bottom-up integration eliminate?
- 18.) What is a critical module?
- 19.) What are the parts to a testing specification document?