CSIT 315 Fa 14 - Suggested Study Guide to Test #1

You may use the following as a guide to help you focus as you prepare for the test. This just provides a general guide as to the areas from which questions may be chosen.

1. **Basic understanding of software** – its importance/significance, software crisis

2. **Software engineering** – why? What's it about? Etc.

3. Differences and similarities between hardware and software

4. Software development standards

5. Software Life Cycle paradigms – pros and cons (advantages/disadvantages, characteristics) of different paradigms

    -   Ex., Waterfall, unified process, etc

6. **Software Life Cycle phases –** Specification, Design, and their roles/significance, and characteristics

7. Given a problem statement/specification – identify use cases and actors and produce the use case diagram

8. pros and cons of making changes to a product.

9. Team organization – structure, etc

10. **UML concepts ????**

Note: The test will be in two parts: (1) Mainly Multiple Choice and (2) Short answers requiring you to explain, or state/describe 'concepts' associated with software engineering.