

Nova Southeastern University
College of Engineering and Computing
Fall 2019 - Master Level Course
CISC 680 - Software Engineering - CRN – 21741
Term Code: Fall 2019 (202020) Course
Dates: 08/19/2019 - 12/08/2019 – On Line

Assignment 4: (Question Set 2) - See Syllabus for assignment % and Due date

Due: Check Class Calendar

Your document for this assignment will be submitted to Canvas (Assignment 4) in one of the following file formats: ASCII, MS Word, or PDF

Answer all the following questions:

1. What are the attributes of a good software test?
2. Describe three control structure testing strategies.
3. Why is regression testing an important part of any integration testing procedure?
4. What are the key differences between validation testing goals and acceptance testing goals?
5. Describe the how test cases are derived from behavior models to facilitate interclass testing?
6. List the components of a formal specification language and describe their roles.
7. Describe the process of writing a formal specification for some system function.
8. Technical testing metrics fall into two major categories. What are they?
9. Describe the five activities associated with the software measurement process.
10. Describe the role of class-oriented metrics in assessing the quality of an OO system.
11. Why is it important for software developers to make use of measurement to guide their work?
12. Why is the "make-buy" decision and deciding whether to outsource

software development an important part of the software planning process?

13. Describe the process of building a risk table.

14. What is forward engineering?

15. What characteristics need to be exhibited by organization to improve its software process?