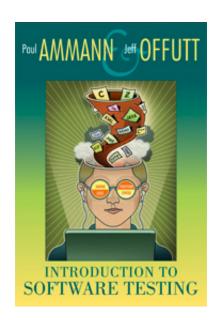
ITEC 493

Selected Topics in
Software Testing
Spring 2012 (3 credit hours)
Mon/Wed/Fri 2-2:50pm

Prerequisites: ITEC 110, 120

Instructor: Don Braffitt

Revised: 08-Oct-2011



Tentative list of topics:

- 1. Software testing concepts including Test Driven Development (TDD)
- 2. Building the test environment (e.g. automated testing, GUI testing, test harnesses)
- 3. Managing the test project, and testing across the software development lifecycle
- 4. Test planning and types of testing (e.g., unit, integration, system, functionality, routine/method coverage, code path coverage, performance, black box versus white box)
- 5. Developing the tests, executing the test plan, and reporting and analyzing the test results
- 6. User acceptance testing
- 7. Testing software developed by outside organizations
- 8. Testing software controls and the adequacy of security procedures
- 9. Testing new technologies
- 10. Tool support for testing (e.g., BlueJ/JUnit)
- 11. Testing case studies (both successes and failures)
- 12. Testing certifications and exams



More Information: http://www.radford.edu/dbraffitt/