CSIS 658 N90 Software Testing and Maintenance Spring 2009
Syllabus

Instructor

Dr. Jim Bowring: http://www.cs.cofc.edu/~bowring/
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Tel: 843.953.0805
Email: Please use bowringj@cofc.edu with Subject = "**CSIS658**" (no spaces) for a response within 24 hours. I will generally ignore other Emails.
IM: bowring@gmail.com
Office hours: MW: 3:15 – 4:15; R 4:30 – 5:30 (NORT), or by appointment

Class place and time

Classroom: North Charleston Campus Room 130
Time: R 5:30 – 8:30 PM

Catalog description

CSIS 658 Software Testing and Maintenance - An introduction to the concepts and methods associated with software testing and maintenance. Testing topics to include: testing as part of the requirements for engineering and software design, test plan writing, and static and dynamic testing. Maintenance topics to include: an overview of corrective, adaptive, perfective, and preventive maintenance activities as well as organizational managerial issues. Prerequisites: CSIS 602.

Required text

Introduction to Software Testing. Paul Ammann and Jeff Offutt ,Cambridge, 2008.

Electronic Resources

1) Class Website
2) Textbook Student ResourcesSoftware Engineering Body of Knowledge (SWEBOK)
3) Google Scholar
4) The College of Charleston Libraries supply free full access to a wide range of electronic resources, including the ACM Digital library and the IEEE Computer Society Journals.
5) Center for Student Learning
6) Career Planning Guide provided by the Career Center

Learning Objectives

The principal objective of this course is to for you to learn the fundamental principles behind software testing, and how to apply these principles to produce better software, faster. You will be prepared to carry out high-quality testing activities in your professional careers because you will learn testing as a mental discipline. You will also learn how testing supports maintenance activities through regression testing.

Professional Development
I highly recommend that you join either the Association for Computing Machinery (ACM) or the Institute of Electrical and Electronics Engineers (IEEE) Computer Society. Both offer student memberships. We have a College of Charleston student chapter of the ACM, which you are encouraged to join (free, with free food) and attend. In your professional careers as software engineers, you should maintain one or both of these memberships.

Attendance and class participation
I expect you to attend and participate in every class session. Your active participation will lead to your success and to the success of the class. I expect you in class on time and prepared by having read the assigned readings

Assignments
All assignments are due at the beginning of class on their due. Unless otherwise specified, you will E-mail each assignment (see above) as a single PDF file. I require professional-grade documents containing identifying information as well as the work itself.

Instructor availability
I am here to teach, advise, and assist you. I maintain an open-door policy, so feel free to step into my office. (Knock if the door is closed.) I will respond to your emails (see above.)

Classroom disruption
Please read the College of Charleston's Student Code of Conduct. When you come to class please turn off your cell phones and all other electronic communication devices.

Disabilities
If you have a documented disability and are approved to receive accommodations through SNAP Services, please contact me during office hours or by appointment.

Student Honor Code
I expect you to abide by the Honor Code and the Student Handbook: A Guide to Civil and Honorable Conduct. If you have a question about how to interpret the Honor Code, ask before acting! I encourage collaboration, but you must document it. Thus, each student will submit their own homework and, when collaborating, provide a reference to those people and documents consulted.

Grading scale
Superior (A); Very Good (B+); Good (B); Fair (C+); Acceptable (C); Not Acceptable (F)

Evaluation schedule

15%	Class preparation and participation
25%	Assignments & Projects
30%	Midterm
30%	Final exam