

Course Overview

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February 13, 2013



Outline

1 Basic Course Information

- Objectives:

2 Course Policies



Outline I

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Support software development in Dept Research Projects

- exploratory mode rather than formal requirements



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 - frequent changes to explore branches and/or recover from dead ends
- developed by an individual or small team
 - complete turnover every few years
- may need to be packaged on short notice



Course Themes

- Look at best practices from the open source world
- Automate best practices
 - Make it more trouble and time consuming to do things wrong than to do them right



Areas of Emphasis

- Test-Driven Development



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- Build Management



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- Version control



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- Configuration Management
- Documentation Management



Basic Course Information

Meets: Tues & Thurs 3:00-4:15, Dragas 2111

Website: <https://secweb.cs.odu.edu/~zeil/cs795SD/s13/>



Required Text:

- Zeller, Essential Open Source Toolset, Wiley, 2005, 0-470-84445-0
- Lots of readings from the web



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Due Dates and Late Submissions:

Late assignments and projects will not normally be permitted. Exceptions will be made only in situations of unusual and unforeseeable circumstances beyond the student's control, and such arrangements must be made prior to the due date in any situations where the conflict is foreseeable.



Academic Honesty:

Everything turned in for grading in this course must be your own work.

Students are expected to conform to academic standards in avoiding plagiarism.



Grading:

- Assignments: 50%
- Semester project: 50%



Semester Project

The semester project may take one of several forms:

- A term paper providing a critical comparison of a selection of tools or techniques for accomplishing a common task
- An experience report, in which a student affiliated with a research project in the Dept demonstrates the application of one or more of the tools and techniques covered in this course to the software maintained by that project and evaluates the impact of this new approach.
- A course module (slides plus labs and/or assignments) suitable for use in a CS350 level course for a tool or technique not currently employed there.

All term projects must be pre-approved by the instructor as to suitability of the subject matter and scope of the project. An oral presentation of the project to the CS795/895 class will be required.

