

CS-490: Software System Development I: Requirements & Specification

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1 Times and Places

- Time: MWF 11:30 - 12:20
- Office hours will normally be MWF 12:30-2:15
Other times by appointment.

2 Texts and Other Resources

Several of the Pragmatic Programmers books are online at WMU's Safari site. In addition to the Pragmatic Programming books listed below, there are Pragmatic Programmer books on: NUnit, Subversion, Ruby, Interface Design, and several other topics.

Required Text

eXtreme Programming Explained: Embrace Change, K. Beck, Addison Wesley, 2000, ISBN 0-201-61641-6

Required Text

Pragmatic Version Control: Using CVS, D. Thomas and A. Hunt, The Pragmatic Programmers LLC, 2004, ISBN 0-9745140-0-4

Required Text

Pragmatic Unit Testing: In JAVA with JUnit, A. Hunt and D. Thomas, The Pragmatic Programmers LLC, 2004, ISBN 0-9745140-1-2

Required Text

Pragmatic Project Automation: How to Build, Deploy, and Monitor JAVA Applications, M. Clark, The Pragmatic Programmers LLC, 2004, ISBN 0-9745140-0-4

Other Resources

Many online resources

3 Course Objectives

There are four major objectives in this course. Upon completion of the course:

1. You should have an understanding of the basic process of the eXtreme programming development method.
2. You should have an understanding of the tools used eXtreme programming; including: IDEs, Version Control, Project Automation, Unit Testing, as well as using Use-Cases in requirements.
3. You should understand how to interact with a client in a professional manner.
4. You should be able to present technical material in a professional manner, in both written and oral presentations.

4 Course Overview

The main goal of the course is to prepare you as a professional system developer, with special attention to using eXtreme programming.

5 Grading

About 3 assignments (20%)
Midterm Project Evaluation (25%).
Final Project Evaluation (25%).
Midterm Exam (15%).
Final Exam(15%).
Class participation (extra credit - if used).

The following grading scale will be used initially.

SCALE: A	100-90
BA	90-88
B	88-80
CB	80-78
C	78-70
DC	70-68
D	68-60

For the final projec evaluation you will receive a 0 if you have do not have a running base system, which has been successfully demonstrated to the client. All project development methodologies that are indicated as required by the instructor must be in fully in place.

The final scale may be curved at the end of the course, if it appears warranted.

6 Details

Late Assignments

Late assignments will receive a 50% deduction if turned in within a week of the due date. Normally, no credit for work that is more than one week late.

Incompletes

Incompletes will only be given for causes as indicated in the Graduate and Undergraduate catalog (see them for details).

Academic Integrity

The Professional Concerns Committee of the Faculty Senate recommends that all faculty include the following paragraph in each syllabus.

You are responsible for making yourself aware of and understanding the policies and procedures in the Undergraduate Catalog (pp. 268-269) and Graduate Catalog (pp. 26-27) Catalog that pertain to Academic Integrity. These policies include cheating, fabrication, falsification and forgery, multiple submission, plagiarism, complicity and computer misuse. If there is reason to believe you have been involved in academic dishonesty, you will be referred to the Office of Student Conduct. You will be given the opportunity to review the charge(s). If you believe you are not responsible, you will have the opportunity for a hearing. You should consult with me if you are uncertain about an issue of academic honesty prior to the submission of an assignment or test.