Western

UNIVERSITY · CANADA

Topic 0

Course Overview

Computer Science 2212b
Introduction to Software Engineering
Winter 2014

Jeff Shantz
jeff@csd.uwo

Agenda / Announcements

- Course Staff
- Course Outline
- Group Work
- Class is cancelled Friday
  - We will start next Wednesday

Course Staff

Instructor

Instructor	Jeff Shantz
Email	jeff@csd.uwo
Office	Middlesex College 346
Office Hours	Fridays, 2 PM – 3 PM Also available by appointment

Teaching Assistants

TA	Jordan Van Dyk
Email	jvandy7@uwo
TA	Jenna Butler
Email	jcamer7@uwo

Each team will have a weekly meeting with its TA

Course Outline

Course Description

- Software engineering
  - Design, implementation, testing
- Agile methodology
- Team project
- This course is practical
- This course is busy
- This course is fun

Prerequisites

- Both of
  - Computer Science 2210
  - Computer Science 2211
- Familiarity with Java is assumed

If you don’t have the prerequisites and don’t have special permission, the Registrar will drop you from the course

Course Web Site

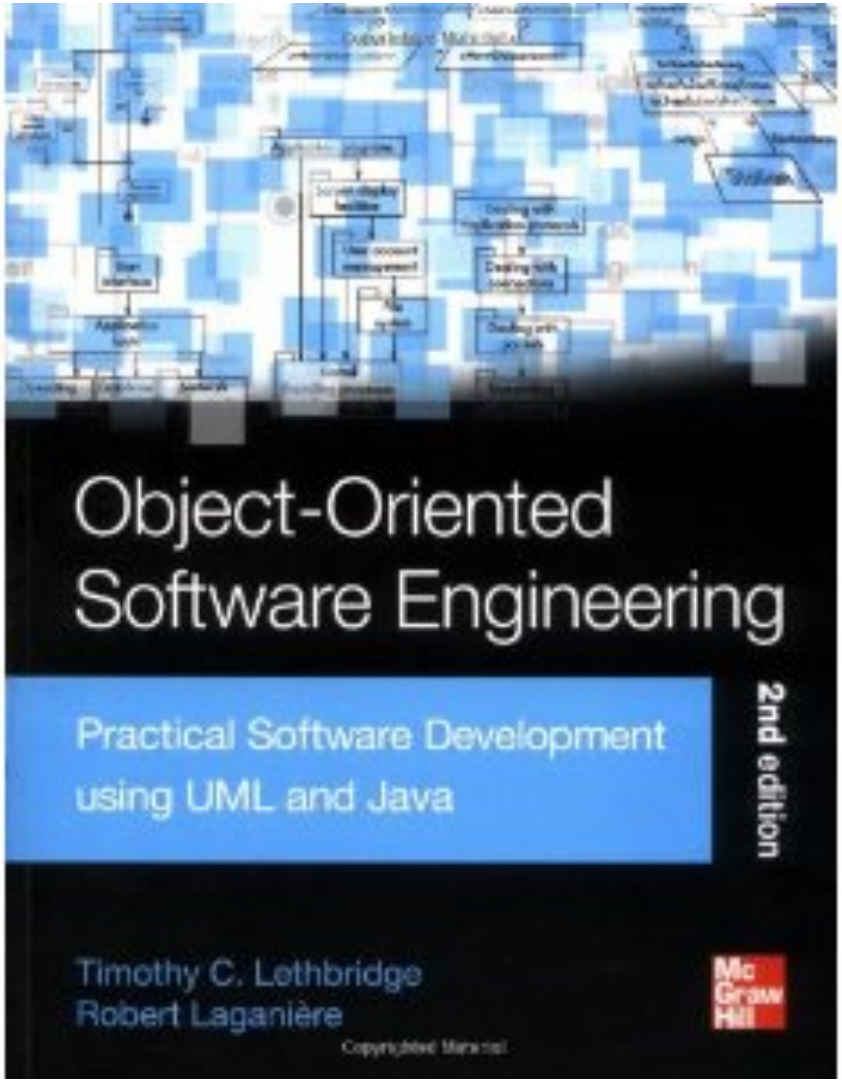
- http://www.csd.uwo.ca/courses/CS2212b
  - Coming soon
- Grades will be posted via OWL

Textbook

Object-Oriented Software Engineering: Practical Software Development using UML and Java

Timothy Lethbridge
Robert Laganiere

McGraw-Hill
Second Edition, 2004
ISBN: 978-0077109080



Lecture Schedule

Day	Time	Room
Wednesday	10:30 – 11:30	MC 105b
Friday	10:30 – 12:30	MC 105b

Student Evaluation

	Weight
Individual	46%
Team	54%

Student Evaluation

		Weight	Due (Tentative)
Individual	Take-Home Labs	15%	Fri Feb 14
	Specifications Quiz	1%	Wed Jan 22
	Final Exam	30%	Final exam period
		46%	

Student Evaluation

		Weight	Due (Tentative)
Team	Report 1	7%	Fri Feb 07
	Report 2	7%	Mon Feb 24
	Report 3	7%	Fri Mar 07
	Report 4	7%	Fri Mar 28
	Unit Tests	9%	Fri Mar 28
	Acceptance Testing	15%	Week of Mar 31
	Meeting Minutes	2%	Weekly
		54%	

Take-Home Labs

Lab Type	Title	Weight
Common (**do all**)	Version Control with Git	2%
	Build Automation with Maven	2%
	Unit Testing with JUnit	3%
	GUI Development with Swing	3%
Specialty (**do one**)	Continuous Integration with Jenkins	5%
	Reporting with JasperReports	5%
	Data Persistence with JPA	5%
	Spreadsheets with JTable	5%
	Email with Amazon SES	5%

Late Policy

- No lates in this course
  - All course deliverables are due by 23:59:59 on their respective due dates
  - Late work will be given a grade of 0
  - No exceptions
    - Documented medical/religious reasons excepted

Team Project

Team Project

- I pick the teams
- If you don't do your part, your group suffers
  - The project requirements don't change
  - They have to pick up the slack
  - Don't be "that guy"
- You are required to stay in contact with your group
- I give you a large project to work on, you decide how to distribute the work

Team Project

- First Meeting
  - In class
  - Meet your team
  - Decide on a day/time for your weekly meeting
- Weekly Meetings
- Teaching Assistants
  - There for guidance
  - Not to give answers or to mark

Team Project

- Weekly Minutes
  - Document group's progress
  - Might find problems that arise
- Group Assignments
  - The whole group gets the mark
- Peer Evaluations
  - Due after every assignment
  - Final grade could be affected, take seriously!

Not Pulling Your Weight?

- In the real world:
  - You would receive a warning
  - If behaviour continued, you would eventually be fired
- In CS 2212:
  - You will receive a warning
  - If behaviour continues, you will be fired from your group

Team Project

- Grade management software
  - Create courses
  - Import list of students
  - Create assignments / exams
  - Enter marks
  - Produce PDF reports of student progress (JasperReports)
  - Automatically email grades to students (SES)
  - All data stored in a database (JPA)

Team Project

Honors Algebra - Gradekeeper

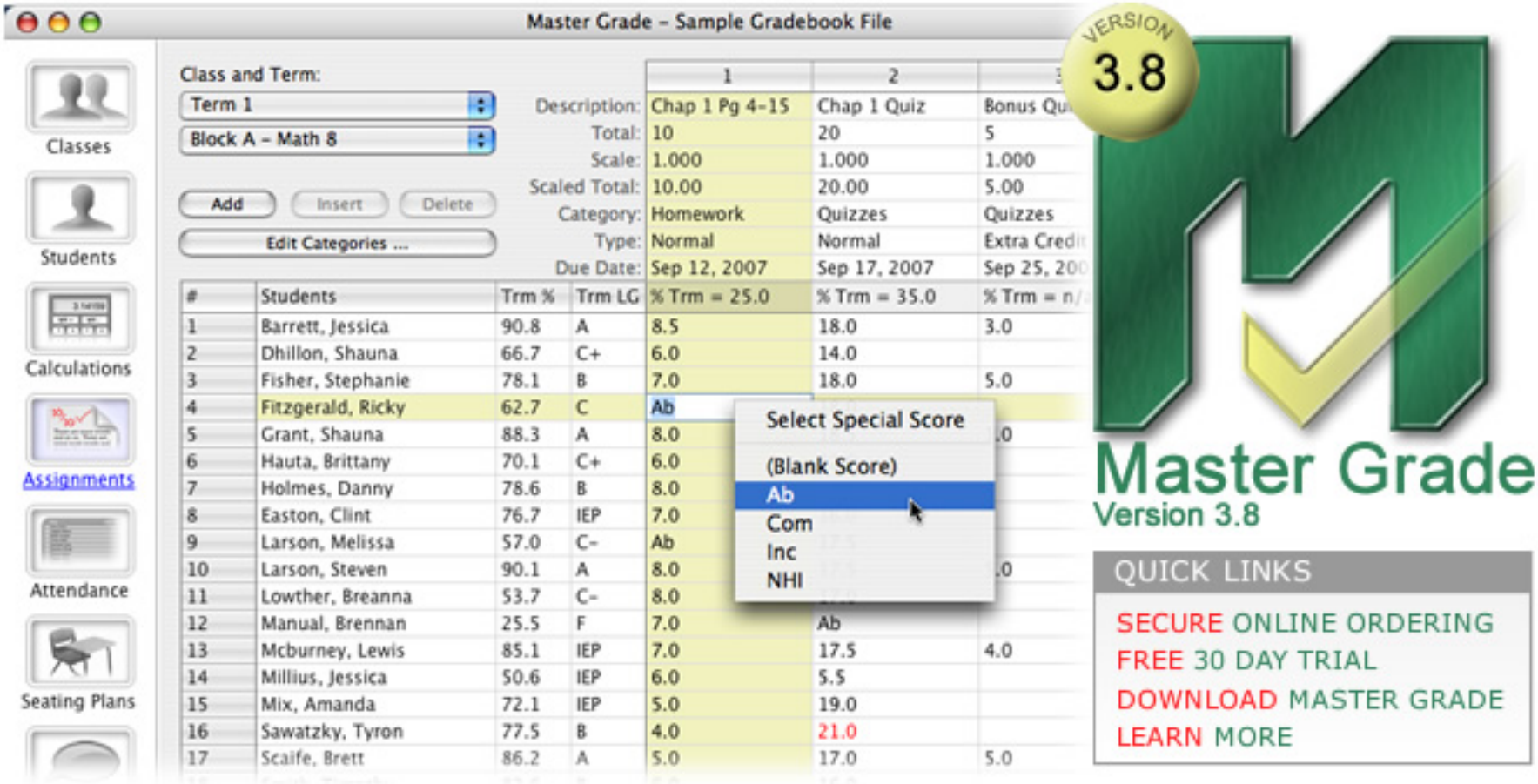
File Edit Gradebook Reports Help

Hillcrest Academy
Honors Algebra (1st Quarter)
Daniel Ethier

March 21, 2013

			9/3	9/4	9/5	9/6	9/9
			Bulgarian Solitaire Problem Solving 10 points	Spirograph Special Activities 10 points	Toothpicks Problem Solving 25 points	Gypsy Moths Activities 10 points	Chapter 7 Homew... Homework 45 points
#	Student	Grade	1	2	3	4	5
1	Albright, Amy	94.6% A	10	9	23	10	45
2	Bravado, Barbara	69.0% D+			[2] 18		35
3	Cunningham, Cathy	92.3% A-	9	8	24	10	45
4	Deal, Danielle	79.8% C+	8	7	19	7	40
5	Earnest, Eileen	82.6% B-	8	8	22		45

Team Project



Class Mate - Sample Class Mult Subject (09/01/01 @ 8:00AM)

File Class View Students Assignments Reports Documents Options Window Help

Class Averages & Grades. All Grades 09/01/01-05/01/02: History

Sort: Name / Id. / Rank

Marking Period Dates: On / All Dates — 10/12/01 To 11/22/01 — Marking Periods

Grades | Attend | Periods

Students
Count: 16
Median: 82.0
Class Avg. = 81.2

Student Assignments
Name: Gonzalez, Ted
Grades: 12 Grade Average = 84.4
Rank: 5
B

Assignment Grades
Pt. Val: 100.0 Class Avg 80.4
Chapter 1 Report

Name	Avg.	Gr	an
Gonzalez, Ted	84.4	12	5
Grands, Richard J	83.9	13	6
Hauser, Helmut K	79.7	13	10
Jones, Herald R	75.7	13	13
Jones, Martin	93.0	13	2
Lazzon, Erika H	83.1	13	7
Martin, Christy	93.9	13	1
Panters, Christopl	78.6	13	11
Parker, Raymond	82.7	13	8
Ponce, Laura M	84.7	13	4
Ramey, Fred F	73.4	13	15
Smith, Mary	76.7	13	12
Summers, Erika G	81.2	13	9
Torres, Liz B	73.4	13	14
Transfer, Bill	66.8	13	16
Walker, Susan	87.4	13	3

Category/Assignment	Due	Grade	Score	Avg.	Cur
Homework		84.8	33.9		
Chapter 1 Report	09/07/01	88.0	88.0	80.4	
Pilgrams Project	09/13/01	0.0	0.0	82.4	
Match the Dates	09/19/01	95.0	95.0	82.4	
Opinion Paper	09/26/01	91.1	91.1	85.0	
Chapter 2 Report	10/14/01	0.0	0.0	81.3	
Essay Project	10/30/01	95.0	95.0	92.7	
Chapter 3 Report	11/17/01	85.0	85.0	82.5	
Timeline Paper	11/30/01	65.0	65.0	82.1	
Tests		93.7	37.5		
1st Six Week Test	10/11/01	98.8	98.8	79.2	
2nd Six Week Test	10/22/01	86.0	86.0	80.7	
3rd Six Week Test	01/02/02	95.0	95.0	82.5	
Midterm Exam	01/03/02	95.0	95.0	76.9	
Final Exam		65.0	13.0		
Final Exam	05/01/02	65.0	65.0	80.0	

Name	Grade	Score
Gonzalez, Ted	88.0	88.0
Grands, Richard	75.0	75.0
Hauser, Helmut	052.0	52.0
Jones, Herald R	95.0	95.0
Jones, Martin	100.0	100.0
Lazzon, Erika H	100.0	100.0
Martin, Christy	90.0	90.0
Panters, Christo	85.0	85.0
Parker, Raymon	88.0	88.0
Ponce, Laura M	75.0	75.0
Ramey, Fred F	75.0	75.0
Smith, Mary	73.0	73.0
Summers, Erika	96.0	96.0
Torres, Liz B	85.0	85.0
Transfer, Bill	52.0	52.0
Walker, Susan	87.0	87.0

Grade Calculator | New Assignment | Waive (*) | UnRecord | Cancel Changes | Save Changes

History | Language | Math | P.E. | Science | Spelling

Class Dates: 9/01/01 to 5/01/02 | Calculation Method: Category/Assignment Weighting (On/Off) | Date: 3/04/03 5:40:22PM

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