Syllabus
Introduction to Software Engineering (BACS 180) -- Fall 2015

This page contains the syllabus for Introduction to Software Engineering for Fall 2015. "The course syllabus contains important information regarding course requirements and the grading system utilized. It is the responsibility of the students to read the syllabus and consult the instructor if they have questions." (from UNC Undergraduate Catalog)

BACS 180 029 - Introduction to Software Engineering - 1 credit
Fall 2015

Class meeting time and location: Thursdays 3:30pm - 4:45pm in Ross Hall 2261
All class material is accessible through Blackboard.

Instructor: Mehrgan Mostowfi, Ph.D. (mer-gone mos-tow-fee)
School: Mathematical Sciences
Office location: ROSS 2240B
Office hours: Tuesday and Thursday, 11:00am - 12:30pm, or email to schedule an appointment.
Email: mehrgan.mostowfi@unco.edu
Homepage: http://www.mathsci.unco.edu/facstaff/mostowfi/

Required textbook: The required textbook is Mythical Man-Month, The: Essays on Software Engineering, Anniversary Edition, 2/E, by Frederick P. Brooks, Jr. There will be assigned readings to complement the lectures. These readings will come from handouts and/or material in the textbook.

Catalog course description: This course examines the principles and theories of software engineering as a discipline. It introduces students to vocabulary, basic principles, and the foundation of software engineering. Software engineering covers concepts to create practical and cost-effective solutions to computing and information systems requirements.

Course objectives: As a result of successfully completing this course, students will be able to:

1. Define basic vocabulary terms of software engineering
2. Explain the basic methods of software engineering
3. Understand the basic constructs of software engineering

Prerequisites:

- None.

Course topics: This course will cover the following topics:

- Week 1 (Aug 24 - 30, 2015): Introduction
- Week 3 (Sep 7 – 13, 2015): Software processes, Requirements engineering
- Week 4 (Sep 14 – 20, 2015): Exam 1, Software processes
- Week 5 (Sep 21 – 27, 2015): Requirements engineering
- Week 6 (Sep 28 – Oct 4, 2015): System modelling
- Week 7 (Oct 5 – 11, 2015): Exam 2, Software development
Week 8 (Oct 12 – 18, 2015): Software testing
Week 9 (Oct 19 – 25, 2015): Exam 3

Grading: Students will earn a grade based on three exams. The grade breakdown is:

- Exams 1 and 2: 30% each
- Exam 3: 40%

The grading scale is "no worse than" ("+" or "-" grades MAY be given to marginal performance, but do not expect them):

- A = 90% through 100% and above
- B = 80% through 89.99%
- C = 70% through 79.99%
- D = 60% through 69.99%
- F = Less than 59.99%

Course policies:

- I expect you to make sure your UNCO email works and check your email regularly. Email will be the main means of communication between you and me. Not having checked your email will not be accepted as an excuse for missing due dates.

- If you must submit work late you need to talk to me at least one-week before the due date in question. Otherwise, late work cannot be accepted except in cases of verifiable emergencies.

- Attending class is mandatory and very important. I may choose to track attendance.

- We will be observing all university policies regarding religious holidays and disabilities. Any student requesting disability accommodation for this class must inform the instructor giving appropriate notice. Students are encouraged to contact Disability Support Services (www.unco.edu/dss) at (970) 351-2289 to certify documentation of disability and to ensure appropriate accommodations are implemented in a timely manner.

- Incomplete ("I") grades will only be given in the case of severe hardship including verifiable medical emergencies or legal troubles. Simply being "overloaded" and unable to complete your work is not grounds for an "I" grade.

- Out of courtesy to other students please make sure that you turn off, or place in silent mode, your cell phone.

Academic Integrity/Academic Dishonesty: I expect students to be honest and not cheat on their assignments and exams. The exams must be completed without giving or accepting assistance from other students. Any source code copied from another source must be credited as such. Open source software used must maintain all headers and other information as required by the open source license used. I expect you to know the University's policies on student conduct, academic dishonesty, etc. UNC's policies and recommendations for academic misconduct will be followed. For additional information, please see the Dean of Student's website, Student Handbook link and current catalog.

Every part of this syllabus is subject to adjustment as the semester progresses. Please contact me as soon as possible if you have particular interest in material that is relevant to the class topic but not covered in enough detail; I will be happy to accommodate reasonable requests for modifications.

Last update on July 24, 2015