CS 650 - Software Engineering Process
Spring 2017

Syllabus and Course Summary

Instructor: Dr. Harry S. Delugach
Email: delugach@uah.edu (mailto:delugach@uah.edu) (or use Canvas mail)
Phone: (256) 824-6614
Class Meets: Mon,Wed at 5:30 - 6:50 PM in OKT N-326
Office Hours: 2:00 - 3:45 Mon-Wed
Office Location: OKT N-351


Grading

If you feel there is an error in the grading of your work, you must bring it to the instructor's attention within one week after the assignment was returned to you.

Midterm Exam 20 %
Final Exam 30 %
Exercises 20 %
Homework 20 %
Participation 10 %

The following grading scale will be used (final averages are rounded to the nearest whole number):

A+ 96.5; A 92; A- 89.5; B+ 86.5; B 83.5; B- 79.5; C+ 76.5; C 73.5; C- 69.5; D 59.5

Course Objectives

- To understand essential concepts in the disciplines of software engineering.
- To introduce disciplined approaches to software development that result in high quality products that meet customer needs, and are produced within budget and time constraints.
- To develop an understanding of the role of quality processes in producing a quality software product.
- To understand the role of documentation in supporting the software development process, including semi-formal methods such as UML.
- To apply object-oriented concepts and approaches to software modeling using UML.
- To work in groups in developing software products, including performing technical reviews.

General Information

Please read the general guidelines and policies (http://www.cs.uah.edu/~delugach/Courses/Syllabus-General.html) that apply to this course. They are a part of this syllabus. This syllabus is freely available to anyone. Other course materials, announcements, discussions, etc. will be...
distributed using Canvas (canvas.ah.edu).

Canvas Online Access

Communication in this class will be conducted through Canvas by Instructure, the university's course management system. To access Canvas, go to uah.instructure.com or access it through the Central Authentication Service (SSO) (http://sso.uah.edu/cas). You'll find instructions there about id/password and access information. You may also reach the Help Desk at http://www.uah.edu/oit (http://www.uah.edu/oit/contact), or phone them at 256-824-3333.

Homeworks

There will be four homework assignments, to be done individually. You may discuss the problems with your classmates, but the work must be your own. Assignments will be turned in and graded using Canvas, and your graded assignments (with instructor feedback) will be returned to you through Canvas.

NO hand drawn figures OR hand written answers are allowed except on hand-written exams.

Exercises

You will have some exercises to complete in the second half of the course. These will be deliverable-oriented requirements and analysis activities. You may be grouped with two or three other students for some of these exercises. Deliverables and communication in your team must be handled through Canvas, using Collaborations, Conferences and or emails as appropriate.

NO hand drawn figures OR hand written answers are allowed except on hand-written exams.

Discussion Forums

Canvas provides discussion forums for students to post their ideas and responses. These will form an integral part of the course. Questions will be posed by the instructor or by other students, to which all are invited to respond. Part of your participation grade will be based on these forums. You are required to create at least one new reasonable discussion, and you are required to respond reasonably to at least three such discussions of others. "Reasonable" here means contributing to the content and goals of the course.

Special Note For Online Students

If you are enrolled in an online section of this course, you're expected to view all of the video recorded lectures, just as though you were attending in person. You are expected to be prepared before viewing, taking notes as appropriate, participating in on-line discussions, and submitting all assignments as they are due. This is NOT a self-paced course; you should be aware of the in-class lecture schedule and keep up with them. If there are in-class exams, it is in your best interest to be present during the scheduled time. If you want to schedule your exam outside of this scheduled time, you must let the instructor know at least one week in advance so that you can get in touch with the proctoring office for an appointment.

Course Schedule

NOTE: Readings are to be done before the class at which they will be discussed.

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOPIC</th>
<th>TEXT READINGS</th>
<th>ASSIGNMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mon Jan 09</td>
<td>Software product and process</td>
<td>Ch. 1, 2, 3</td>
<td></td>
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</tbody>
</table>
uaAlert Emergency Notification System:

UAH has implemented the UAAlert emergency notification system. UAAlert allows you to receive time-sensitive emergency messages in the form of e-mail, voice mail, and text messages. You will also receive any information about university closing for bad weather.

Everyone who has a UAH e-mail address can receive emergency alerts to their campus e-mail address. In order to also receive text and voice message alerts, you will be asked to provide up-to-date phone contact information. Participation in UAAlert text and voice messaging is voluntary, but I encourage you to enroll. You won't be reached through UAAlert unless you participate. The information you provide is considered confidential and will not be shared or used for purposes other than emergency notification.

To review your UAAlert account, add or update phone and alternate e-mail addresses, and set the priority for your contact methods, please visit the UAAlert web site: http://ualert.uah.edu.
## Assignments Summary:

<table>
<thead>
<tr>
<th>Date</th>
<th>Details</th>
<th>Due Time</th>
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<tbody>
<tr>
<td>Sat Mar 18, 2017</td>
<td>Homework 3 (<a href="https://uah.instructure.com/courses/19205/assignments/124165">https://uah.instructure.com/courses/19205/assignments/124165</a>)</td>
<td>11:59pm</td>
</tr>
<tr>
<td>Mon May 1, 2017</td>
<td>Final Exam (<a href="https://uah.instructure.com/courses/19205/assignments/124168">https://uah.instructure.com/courses/19205/assignments/124168</a>)</td>
<td>6:30pm</td>
</tr>
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