Syllabus – CS 4321 – Fall 2017

Course Information

Course: CS 4321 – Software Engineering I, Section A, 3 hrs. credit, Department of Computer Science, College of Arts & Sciences, Valdosta State University

Prerequisites: CS 3410 with a C or better.

Catalog Description: Concepts and techniques used in all aspects of the software life-cycle relevant to the production of large object-oriented software systems. Students will work in teams on a project.

Topics: Requirements, analysis, design, architecture, testing, UML, design patterns, management issues

Learning Outcomes: Students who have successfully completed this course will be able to:

1. Work in a team to develop and present a software system, producing appropriate documentation and following a lifecycle model.
2. Discuss techniques for gathering and analyzing users' requirements.
3. Construct static and dynamic models of software using UML.
4. Develop an efficient and effective test plan from software requirements.
5. Discuss issues related to the management of the software development process.

Class Information

Class: MW 3:30-4:45 pm, 1121 Nevins Hall, Final Exam: Thursday, Dec 7, 2:45-4:45 pm

Final Project Presentations: TBA

Course Website: The course website is found by going to my homepage: http://mypages.valdosa.edu/dgibson, and choosing the CS 4321 link which will display the course Schedule. The Schedule provides a list of exactly what we do in class, assignments, and due dates. It is your responsibility to check the Schedule regularly.

Textbook: We will use various sources for our "text", including selected articles, blog posts, and videos. We will use a number of videos from an udacity.com course, "Software Development Process".

General Policies:
- Be on-time for class. Do not leave class early except if you are sick. Do not leave class and then return. Do not miss class.
- Phones and other electronics are turned off and stored in your book bag off the surface of your desk and not within sight. These devices are not to be used in class.
- Check the Schedule on the website regularly. Check your VSU email account regularly.
- Drinks are allowed in class. Food/candy/snacks are not allowed in class.

Attendance: Required. Each absence beyond the first results in points being deducted from your final average. 2 tardies count as an absence. Absences for any reason count except for official VSU functions for which I am contacted by the administration.

Absences	0	1	2	3	4	5	6 or more
Deduction	0	0	1	2	3	4	41

Instructor Information

Instructor: Dr. Dave Gibson, 1128 Nevins Hall, Office Hours: 10-11 M-F, and anytime by appointment. 229-333-7151 (Direct line), 229-253-4410 (Dept. office, messages)

Email: dgibson@valdosta.edu, All email addressed to me should:
- have a subject like this: CS 4321 – my subject . (*e.g.* CS 4321-Project question)
- be signed with your full name in the body of the message (*e.g.* Dave Gibson)

Assessment

Grade Components: 2-3 Tests (40%), Project (60%). Your course average is computed from the weights above using a 100 point scale. Final grades are assigned according to where your course average (rounded) falls on the following scale: 90-100=A, 80-89=B, 70-79=C, 60-69=D, 59 or below=F.

Additional Information

Workload: Heavy and continuous. Prepare to spend a significant amount of time on this course, especially the project. If you do not have the time to commit, please consider taking this course in a future semester.

Title IX Statement: Valdosta State University (VSU) is committed to creating a diverse and inclusive work and learning environment free from discrimination and harassment. VSU is dedicated to creating an environment where all campus community members feel valued, respected, and included. Valdosta State University prohibits discrimination on the basis of race, color, ethnicity, national origin, sex (including pregnancy status, sexual harassment and sexual violence), sexual orientation, gender identity, religion, age, national origin, disability, genetic information, or veteran status, in the University's programs and activities as required by applicable laws and regulations such as Title IX. The individual designated with responsibility for coordination of compliance efforts and receipt of inquiries concerning nondiscrimination policies is the University's Title IX Coordinator: Maggie Viverette, Director of the Office of Social Equity, titleix@valosta.edu, 1208 N. Patterson St., Valdosta State University, Valdosta, Georgia 31608, 229-333-5463.

Access Statement: Students with disabilities who are experiencing barriers in this course may contact the Access Office for assistance in determining and implementing reasonable accommodations. The Access Office is located in Farbar Hall. The phone numbers are 229-245-2498 (V), 229-375-5871 (VP) and 229-219-1348 (TTY). For more information, please visit VSU's Access Office or email: access@valdosta.edu.