CIS 234 – Systems Design & Development

Instructor: Marti Baker	**Quarter**: Spring 2012
Phone: 425-640-1766	**Course**: CIS 298 as a course substitution for CIS 234
E-mail: mbaker@email.edcc.edu	**Meeting Time**: As Needed
Office Location: Alderwood Hall 213	**Credits**: 5
Office Hours: Mondays and Tuesdays 3:00 p.m. to 5:30 p.m.	

COURSE DESCRIPTION

Provides hands-on experience in systems design and implementation using a prototype approach. The case study is designed and tested using application development software. User manuals are written. Prerequisite: CIS 233 and 253 with minimum grades of 2.5 or equivalent experience.

ACCESS TO COURSE MATERIALS

Successful completion of student responsibilities in this class requires access to BlackBoard via an Internet browser. You are expected to login to the BlackBoard classroom *at least* 3 to 4 times per week. Instructions for access to Blackboard may be located online at the following address: http://blackboard.edcc.edu/webapps/portal/frameset.jsp Toll-free technical support (24/7 service) is available at http://blackboard.edcc.edu (click on the HELP button).

A Blackboard classroom will be set up on the Web for this class and will be a central repository of the course assignments and discussions, as well as material you will need during the course. You are responsible for checking this site regularly for announcements and other information. More information and instructions for setting up and accessing your Blackboard account will be provided during the first week of class.

COURSE OBJECTIVES

During this course, students will research solutions and apply many of the skills learned in previous CIS courses to develop and deliver a complete business application. Students will demonstrate the following skills, objectives, and abilities:

- Determine systems lifecycle (SDLC) activities and define a *project plan*
- Prepare and deliver formal *written and oral status reports*
- Create a *system design document,* including database design, input and output design, process specifications, and user interface design standards
- Apply user-centered design principles to create a *prototype* of the user interface design that meets documented requirements, prepare a formal demonstrate of this prototype
- Develop a *database application* that meets documented data and process specifications
- Write and implement a *test plan* for validating system functionality against requirements
- Write a *user manual* and *training plan*
- Prepare a *roll-out and maintenance plan* for project implementation
- Perform a *walk-through* and demonstration of a *complete working system*
- Perform final project wrap-up activities and compile *documentation* for all aspects of the systems design, development & implementation phases of the SDLC.

ACTIVITIES TO ACHIEVE OBJECTIVES

- Read the textbook chapters and any supplemental materials provided.
- Regularly logon to Blackboard and read announcements & review assignment documents.
- Participate in class lectures and other in-class activities, & complete weekly status reports.
- Apply your knowledge by completing a variety of team project assignments & an exam.

REQUIRED TEXTBOOK

1) *Systems Analysis and Design, 9th Ed.* By Gary B. Shelly & Harry J. Rosenblatt, Copyright © 2011, ISBN: 13: 9781133274056 (ISBN may differ from the bookstore)

RECOMMENDED SUPPLIES

- Jump/thumb drive to submit assignments/project LABELLED WITH YOUR TEAM'S NAME.
- Notebook/Word file for keeping project interview and team meeting notes.
- Microsoft Visio (can be obtained from Misty Cline, CIS Program Manager)

o ***EMAIL*** **mcline@edcc.eduwith a copy of your schedule** to get into the MSDNAA system

COURSE DELIVERABLES

The following are some ground-rules regarding deliverables:

- **Deliverables** Will be submitted electronically either through Blackboard or on a jump/flash drive, and will be due at the end of the specified week unless otherwise specified.
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    - **Late Deliverables**: There is NO grace period for late deliverables, and they will be accepted only at the beginning of the next class period after the original due date. **50% will be deducted** from the total assigned points for deliverables received after the specified due date. Also, I cannot guarantee that you will receive instructor comments or feedback on any deliverable received late.
- **INDIVIDUAL ASSIGNMENTS*:* Tweleve (12) categories of individual** course material and project-related assignments/deliverables include two exams (see above), status reports, team participation, and instructor discretionary points (these points will be given at the instructor's discretion, based on completion of individual work, personal observation, interaction & performance with your team, and course participation). The final system demonstration and documentation will be due on **Saturday, June 9th**. ***LATE PROJECTS WILL NOT BE ACCEPTED.*** Specific details will be provided through a separate document detailing the instructions to complete each project.

ASSIGNMENTS AND GRADING

•&νβσπ;Your course grade is determined by your scores on project deliverables.

•&νβσπ;Work is evaluated on accuracy, neatness and completeness, effort to complete assignments according to instructions and ON TIME, the exam score, and overall course participation.

- Course percent grade is calculated by dividing the total of your points earned by the total points available.

***NOTE**:* I do not consider "I" (Incomplete) or “V” (Instructor Withdrawal) grades acceptable, and will consider granting them only under *extraordinarily unique and extenuating circumstances*.

GRADING TABLE

Grade Points for Percentage of Points earned			Letter Grade Equivalency
4.0=95%	2.9=84%	1.8=73%	A = 4.0 - 3.9
3.9=94%	2.8=83%	1.7=72%	A- = 3.8 - 3.5
3.8=93%	2.7=82%	1.6=71%	B+ = 3.4 - 3.2
3.7=92%	2.6=81%	1.5=70%	B = 3.1 - 2.9
3.6=91%	2.5=80%	1.4=69%	B- = 2.8 - 2.5
3.5=90%	2.4=79%	1.4=68%	C+ = 2.4 - 2.2
3.4=89%	2.3=78%	1.4=67%	C = 2.1 - 1.9
3.3=88%	2.2=77%	1.3=66%	C- = 1.8 - 1.5
3.2=87%	2.1=76%	1.2=65%	D+ = 1.4 - 1.2
3.1=86%	2.0=75%	1.1=64%	D = 1.1 - 0.9
3.0=85%	1.9=74%	1.0=63%	D- = 0.8 - 0.7

BASIC EDUCATION REQUIREMENTS (COLLEGE WIDE ABILITIES)

This class supports the College-wide standards and objectives. While achieving the course objectives above, you will be applying and developing the following basic education requirements:

•&νβσπ;Written and oral communications (through writing deliverables).

•&νβσπ;Critical thinking and problem solving (through methods used to create individual projects).

- Group interaction (by helping each other get through projects).
- Quantitative Skills (through problem solving using mathematical notation, graphs, charts, tables, and symbols)

CLASSROOM CONDUCT IN THE LABS

Classrooms are shared environments where each individual pays dearly to hear all of the information presented. A few courtesies are required for everyone to have a quality experience.

•&νβσπ;CELL PHONES, PAGERS, etc. *MUST BE TURNED OFF* while in the classroom.

•&νβσπ;Please be on time. I will make every effort to start class on time and don't believe students who make the effort to be on time should be penalized.

•&νβσπ;Please avoid side discussions with your neighbors unless instructed to do so, as they are highly distracting and cannot be tolerated.

•&νβσπ;*DO NOT SURF THE NET IN THIS CLASS*! If the computers become too big a distraction, I may ask that you turn them completely off until needed.

EXPECTATIONS

This course involves a high level of independent thinking and problem solving. You can expect to do well in this class if you:

- Complete all assignments on time as scheduled
- Invest the time and effort necessary to produce quality work
- Demonstrate a professional/courteous attitude in your interaction with your classmates and the instructor by:

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    - Following directions
    - Refraining from abusive language in Blackboard postings and messages
- Assume an active role in your own learning process
- Take responsibility for understanding what each assignment entails
- Independently learn necessary tools and seek out relevant resources
- ***NOTE: I reserve the right to DEDUCT class participation points during the quarter for activities or behaviors that detract from a productive classroom environment.

ACADEMIC BEHAVIOR POLICY

Discussing the course topics with your classmates is encouraged. Helping your classmates solve problems is also encouraged. However, all quizzes, exams, and project work turned in for a grade must be done independently. No points will be awarded for individual deliverables found to contain work directly copied from others.

Plagiarism and/or cheating are totally unacceptable and will be dealt with severely and on an individual basis Any action will be dealt with under the "Student Rights and Responsibilities" in the Student Discipline Policy and will be referred immediately to the Dean of Students.

ADDITIONAL STUDENT RESOURCES

- If you require an accommodation for a disability, contact **Services for Students with Disabilities**, WDY 114, 640-1320, ssdmail@edcc.edu, http://www.edcc.edu/ssd.
- Academic Calendar: http://calendar.edcc.edu/_academic.php
- Advising: www.edcc.edu/advising
- Campus Closure Plan: For notification of college closure or delay start due to weather or other emergencies, visit http://www.schoolreport.org or call the college switchboard at 425-640-1459
- College policies and procedures: http://catalog.edcc.edu
- Counseling and Resource Center: www.edcc.edu/counseling
- Distance Learning Office: www.edcc.edu/online

- Diversity Student Center: www.edcc.edu/dsc
- Learning Support Center: www.edcc.edu/lsc/Tutoring_Center.php
- Library, including online resources: www.edcc.edu/library
- Office of Student Life: www.edcc.edu/stulife
- Plagiarism: www.edcc.edu/syllabus/plagiarism.php
- Student Printing Guidelines: www.edcc.edu/acs/Printing
- Student Services: www.edcc.edu/students