COURSE SYLLABUS
COM399: Senior Project

Course Description
This course is designed to model Software Development activities. Real jobs require planning, critical thinking and analysis, reading/writing/research skills, and meeting deadlines. This course will require you to be presenting an exhibition of your best work. It will showcase all the techniques and experience you have gained while being a student at Coleman University.

General Course Information

Number of Units/Weeks	8/10
#Hours Lecture/#Hours Laboratory/#Hours Homework	40/00/80
Prerequisite(s)	Completion of all Advanced Technology Requirements
Co-requisites (s)	None
Course Developer(s)	Leticia Rabor, M.S.
Date Approved / Last Review	September 2017 / September 2017

Learning Outcomes
- (CLO1) Identify possible solutions/algorithms to a real-world problem.
- (CLO2) Apply software design principles and practices to real-world problems.
- (CLO3) Effectively describe technical concepts and material both orally and in writing
- (CLO4) Create and deliver a fully tested software suite to a client in fulfillment of that customer's specifications

Instructional Methods Employed in this Course
- Research
- Student presentations
- Practical application of theory and skills in authentic projects
- Build on prior knowledge and experience of students to enhance richness of class activities

Information Resources for this Course


Standard References

Application Development Standards: Standards for SDLC. Retrieved from https://dr6j45jk9xcmk.cloudfront.net/documents/1890/go-its-54-application-development-standards-for.pdf

Types of Software Development Lifecycles (SDLC). Retrieved from https://melsatar.blog/2012/03/15/software-development-life-cycle-models-and-methodologies/

International Organization for Standardization (ISO). Retrieved from https://www.iso.org/developing-standards.html

Agile Development Best Practices. Retrieved from https://www.versionone.com/agile-101/agile-software-programming-best-practices/

Table/Topics & Assignments

Types of Assignments:

Considered Lecture Hours

In Class Critique -

Considered Lecture Hours

Delivering Oral Presentations -

Considered Lecture Hours

In Class (IC) Status Review -

Considered Lecture Hours

WebClass lesson (non-online courses) -

Considered HW, work done outside of class

Quiz, Midterm or Final -

Considered Lecture Hours

Week 1						
Type	**Topic/Description**	***LEC Hours**	**LAB Hours**	**HW Hours**	**Point Value**	**Due**
LEC 1A	Introduction to Class Get in Teams and discuss topic of final system project (brainstorm)	4				
HW 1A	Deliverable: Project Description			4	20	Beginning of Week 2
Total Week 1		4	0	4	20	
Week 2						
Type	**Topic/Description**	***LEC Hours**	**LAB Hours**	**HW Hours**	**Point Value**	**Due**
LEC 2A	PHASE 1: Planning, Requirements &	3				

* no formal lecture, facilitated sessions only

	Specification					
IC Review	Status Meeting	1				
HW 2A	Deliverable: Requirements Specification Document including a Feasibility Study			10	100	Due Week 3
Total Week 2		4	0	10	100	

Week 3

Type	Topic/Description	*LEC Hours	LAB Hours	HW Hours	Point Value	Due
LEC 3A	PHASE 2: Design (Process Diagrams)	4				
HW 3A	Deliverable: System Design Document			8	100	Week 5
Total Week 3		4	0	8	100	

Week 4

Type	Topic/Description	*LEC Hours	LAB Hours	HW Hours	Point Value	Due
LEC 4A	PHASE 2: Design (Risk and Security Assessment	4				
IC Review	Status Meeting					
HW 4A	Deliverable: Contingency Plan			8	100	Week 5
Total Week 4		4	0	8	100	

Week 5

Type	Topic/Description	*LEC Hours	LAB Hours	HW Hours	Point Value	Due
LEC 5A	PHASE 3: Implementation	4				
HW 5A	Deliverable: Implementation Plan			15	100	Due 6
Total Week 5		4	0	15	100	

Week 6

Type	Topic/Description	*LEC Hours	LAB Hours	HW Hours	Point Value	Due
LEC 6A	Implementation	4				

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Total Week 6		4	0	0	0	
Week 7						
Type	**Topic/Description**	***LEC Hours**	**LAB Hours**	**HW Hours**	**Point Value**	**Due**
LEC 7A	Implementation	3				
IC Review	Status Code Review	1			10	
Total Week 7		4	0	0	10	
Week 8						
Type	**Topic/Description**	***LEC Hours**	**LAB Hours**	**HW Hours**	**Point Value**	**Due**
LEC 8A	PHASE 4: Testing	4				
HW 8A	Deliverable: Test Plan			10	100	Week 9
Total Week 8		4	0	10	100	
Week 9						
Type	**Topic/Description**	***LEC Hours**	**LAB Hours**	**HW Hours**	**Point Value**	**Due**
LEC 9A	PHASE 5: Deployment	3				
IC Review	Status Code Review	1			20	
HW 9A	Deliverable: User Documentation			10	100	Week 10
Total Week 9		4	0	10	120	
Week 10						
Type	**Topic/Description**	***LEC Hours**	**LAB Hours**	**HW Hours**	**Point Value**	**Due**
LEC 10A	Project Presentation	4			50	
HW 10A	Final Project System. CLO1, CLO2, CLO3, CLO4			20	300	Due Week 10
Total Week 10		4	0	20	350	

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Course Hours Summary

Week	Topic	LEC LEC	LAB LAB	HW HW Hours
1	Introduction to Class	4	0	4
2	Phase 1: Planning, Requirements, and Specification	4	0	10
3	Phase 1: Design	4	0	8
4	Phase 2: Design	4	0	8
5	Phase 3: Implementation	4	0	15
6	Phase 3: Implementation	4	0	0
7	Phase 3: Implementation	4	0	0
8	Phase 4: Testing	4	0	10
9	Phase 5: Deployment	4	0	10
10	Project Presentation	4	0	20
Total		40	0	85

Table/Point Breakdown

Week	Assignment	Possible Points	Percent of Grade
1	Project Description	20	2%
2	Requirement Specification Document	100	10%
3	Design Specification Document	100	10%
4	Contingency Plan	100	10%
5	Implementation Plan	100	10%
7	Status Code Review	10	1%
8	Test Plan	100	10%
9	Status Code Review	20	2%
9	User Document	100	10%
10	Project Presentation	50	5%
10	Final Project System	300	30%
Total		1000	100%

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Your Grades for this Course

Your final grade for this course will be based on an assessment by the Instructor of your performance on a number of course activities, which may include objective tests, classroom exercises, laboratory demonstrations, project papers, or other types of activities. The chart below indicates in what activities you will engage, how many possible points can be earned for each activity, and the percentage of your final grade that will be accounted for by each activity.

Students in this course should be graded following Coleman University assessment practices and policies. A point system is used in the University to indicate student performance on various required activities or projects. For this course, it is recommended that points be distributed as follows:

Coleman University Grade Assignment Policy:

Percent	Letter Grade	Grade Points
94-100	A	4
90-93	A-	3.67
87-89	B+	3.33
84-86	B	3
80-83	B-	2.67
77-79	C+	2.33
74-76	C	2
70-73	C-	1.67
67-69	D+	1.33
64-66	D	1
60-63	D-	0.67
N/A	INC	0
N/A	W	0
60 or above	CR	0
59 or below	NC	0
N/A	I	0
N/A	W	0
N/A	AU	0
N/A	TR	0
N/A	WV	0

Legend	
CR = Credit	NC = No Credit
I = Incomplete	W = Course Withdrawal
AU = Audit	TR = Transfer Credit

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WV = Waiver	

Academic Accommodation / Adjustment Policy:

In accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA), Coleman University offers accommodations to students with documented physical, psychological, and/or cognitive disabilities. Coleman University will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to offer equal educational opportunities to qualified disabled individuals.

To qualify for an academic accommodation under ADA, the student must provide adequate documentation of a disability. Students seeking academic accommodations should contact the campus ADA Coordinator at 858-966-3953 or via email at ada@coleman.edu. The ADA Coordinator will review the documentation provided and verify ADA coverage. Students covered under ADA must meet with the ADA Coordinator at the beginning of every term to determine the appropriate academic accommodations. Failing to meet with the ADA Coordinator at the beginning of every term may impact the availability of accommodations.

After the academic accommodations have been determined, the students' instructors will be notified by the ADA Coordinator. If any problems or concerns regarding the provision of accommodations occur, the student must inform the ADA Coordinator. If the student feels accommodation is not being made appropriately, the student may follow the published Student Grievance Procedures.

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