Capstone

COSC 4375, CSCI 4385, COSC 4395

Spring 2020

Course Description

For COSC 4375 – Information Systems Design Project:
An integrated perspective of the problems in today's information systems environment, concentration on contemporary design, methodologies, and considerations unique to users of computers and information systems. Prerequisites: GENB 3301 or COSC 3315, COSC 1337/1137 and COSC 3385.

For CSCI 4385 – Information Technology Capstone:
An integrated perspective of the problems in today's information systems environment, concentration on contemporary design, methodologies, and considerations unique to users of computers and information systems. Prerequisites: COSC 3315, COSC 3375 and COSC 3385.

For COSC 4395 – Capstone Project
This course offers students the opportunity to integrate their knowledge of the undergraduate computer science curriculum by implementing a significant software system as part of a programming team. Prerequisites: COSC 3315, COSC 3325, COSC 4315, COSC 4336, COSC 4360 andCOSC 4385.

Class Time

Tues and Thurs   3:30pm - 4:50pm   COB 211

Instructor Information

COSC 4375   CSCI 4385 and COSC 4395
Dr. Robert P. Schumaker   Dr. Lidong Wu
Professor   Assistant Professor
COB 315.05   COB 315.12
rschumaker@uttyler.edu   lwu@uttyler.edu

Office Hours

Try Slack first!   https://capstone-uttyler.slack.com

Dr. Schumaker
Tues/Thurs   2:00pm – 3:30pm on class meeting weeks in COB 315.05
Tues/Thurs   2:00pm – 3:30pm online meeting weeks through Canvas
If these times don't work for you, please make an appointment.
Appointments outside of office hours can be made at robschumaker.youcanbook.me

Dr. Wu
Tues/Thurs   12:30pm – 2:00pm in COB 315.12
If these times don't work for you, please make an appointment.

Textbook Information

No textbook.

Course Objective

- Learn and apply a systematic process for information system development
- Develop the ability to use the latest tools and techniques to develop information systems
- Create appropriate documents for requirements, functional design, implementation and user training
- Develop an understanding of the current state of the art by preparing and presenting a term paper on a current topic in information systems
- Develop an ability to work cooperatively to develop a high quality information system

Course Grading

Main Project contribution evaluation will be based on the following:

One Minute Pitch	5
Mid-semester Presentation	20
Section Written (Satis/Unsatis 5 @ 4pts)	20
Discipline Specific	15
CS – Presentation Attendance	
IT – Field Exam	
CIS – Field Exam	
Final Presentation	15
Final Report	20
Final Report Structure / Consistency	5
Total Points	100

Additional grading scheme:

Discipline-specific objectives not met	Failure from the course

Grading Scale

A	90.0 points or more
B	80.0 to 89.999 points
C	70.0 to 79.999 points
D	60.0 to 69.999 points
F	59.999 points or less

University Policies and Additional Information that Must Appear in Each Course Syllabus (5/19)

UT Tyler Honor Code

Every member of the UT Tyler community joins together to embrace: Honor and integrity that will not allow me to lie, cheat, or steal, nor to accept the actions of those who do.

Students Rights and Responsibilities

To know and understand the policies that affect your rights and responsibilities as a student at UT Tyler, please follow this link: http://www.uttyler.edu/wellness/rightsresponsibilities.php

Campus Carry

We respect the right and privacy of students 21 and over who are duly licensed to carry concealed weapons in this class. License holders are expected to behave responsibly and keep a handgun secure and concealed. More information is available at http://www.uttyler.edu/about/campus-carry/index.php

UT Tyler a Tobacco-Free University

All forms of tobacco will not be permitted on the UT Tyler main campus, branch campuses, and any property owned by UT Tyler. This applies to all members of the University community, including students, faculty, staff, University affiliates, contractors, and visitors. Forms of tobacco not permitted include cigarettes, cigars, pipes, water pipes (hookah), bidis, kreteks, electronic cigarettes, smokeless tobacco, snuff, chewing tobacco, and all other tobacco products.

There are several cessation programs available to students looking to quit smoking, including counseling, quitlines, and group support. For more information on cessation programs please visit www.uttyler.edu/tobacco-free

Grade Replacement/Forgiveness and Census Date Policies

Students repeating a course for grade forgiveness (grade replacement) must file a Grade Replacement Contract with the Enrollment Services Center (ADM 230) on or before the Census Date of the semester in which the course will be repeated. Grade Replacement Contracts are available in the Enrollment Services Center or at http://www.uttyler.edu/registrar. Each semester's Census Date can be found on the Contract itself, on the Academic Calendar, or in the information pamphlets published each semester by the Office of the Registrar.

Failure to file a Grade Replacement Contract will result in both the original and repeated grade being used to calculate your overall grade point average. Undergraduates are eligible to exercise grade replacement for only three course repeats during their career at UT Tyler; graduates are eligible for two grade replacements. Full policy details are printed on each Grade Replacement Contract.

The Census Date is the deadline for many forms and enrollment actions of which students need to be aware. These include:
- Submitting Grade Replacement Contracts, Transient Forms, requests to withhold directory information, approvals for taking courses as Audit, Pass/Fail or Credit/No Credit.
- Receiving 100% refunds for partial withdrawals. (There is no refund for these after the Census Date)
- Schedule adjustments (section changes, adding a new class, dropping without a "W" grade)
- Being reinstated or re-enrolled in classes after being dropped for non-payment
- Completing the process for tuition exemptions or waivers through Financial Aid

State-Mandated Course Drop Policy

Texas law prohibits a student who began college for the first time in Fall 2007 or thereafter from dropping more than six courses during their entire undergraduate career. This includes courses dropped at another 2-year or 4-year Texas public college or university.

For purposes of this rule, a dropped course is any course that is dropped after the census date (See Academic Calendar for the specific date).

Exceptions to the 6-drop rule may be found in the catalog. Petitions for exemptions must be submitted to the Enrollment Services Center and must be accompanied by documentation of the extenuating circumstance. Please contact the Enrollment Services Center if you have any questions.

Disability/Accessibility Services

In accordance with Section 504 of the Rehabilitation Act, Americans with Disabilities Act (ADA) and the ADA Amendments Act (ADAAA) the University offers accommodations to students with learning, physical and/or psychological disabilities. If you have a disability, including non-visible disabilities such as learning disorder, chronic illness, TBI, PTSD, ADHD, or you have a history of modifications or accommodations in a previous educational environment you are encouraged to visit https://hood.accessiblelearning.com/UTTyler and fill out the New Student application. The Student Accessibility and Resources (SAR) will contact you when your application has been submitted and an appointment with Cynthia Lowery, Assistant Director of Student Services/ADA Coordinator. For more information, including filling out an application for services, please visit the SAR webpage at http://www.uttyler.edu/disabilityservices, the SAR office located in the University Center, # 3150 or call 903.566.7079.

Student Absence due to Religious Observance

Students who anticipate being absent from class due to a religious observance are requested to inform the instructor of such absences by the second class meeting of the semester.

Student Absence for University-Sponsored Events and Activities

If you intend to be absent for a university-sponsored event or activity, you (or the event sponsor) must notify the instructor at least two weeks prior to the date of the planned absence. At that time the instructor will set a date and time when make-up assignments will be completed.

Social Security and FERPA Statement

It is the policy of The University of Texas at Tyler to protect the confidential nature of social security numbers. The University has changed its computer programming so that all students have an identification number. The electronic transmission of grades (e.g., via e-mail) risks violation of the Family Educational Rights and Privacy Act; grades will not be transmitted electronically.

Emergency Exits and Evacuation

Everyone is required to exit the building when a fire alarm goes off. Follow your instructor's directions regarding the appropriate exit. If you require assistance during an evacuation, inform your instructor in the first week of class. Do not re-enter the building unless given permission by University Police, Fire department, or Fire Prevention Services.

Student Standards of Academic Conduct

Disciplinary proceedings may be initiated against any student who engages in scholastic dishonesty, including, but not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts.

    i.   "Cheating" includes, but is not limited to:
- copying from another student's test paper;
- using, during a test, materials not authorized by the person giving the test;
- failure to comply with instructions given by the person administering the test;
- possession during a test of materials which are not authorized by the person giving the test, such as class notes or specifically designed "crib notes". The presence of textbooks constitutes a violation if they have been specifically prohibited by the person administering the test;

- using, buying, stealing, transporting, or soliciting in whole or part the contents of an unadministered test, test key, homework solution, or computer program;
- collaborating with or seeking aid from another student during a test or other assignment without authority;
- discussing the contents of an examination with another student who will take the examination;
- divulging the contents of an examination, for the purpose of preserving questions for use by another, when the instructors has designated that the examination is not to be removed from the examination room or not to be returned or to be kept by the student;
- substituting for another person, or permitting another person to substitute for oneself to take a course, a test, or any course-related assignment;
- paying or offering money or other valuable thing to, or coercing another person to obtain an unadministered test, test key, homework solution, or computer program or information about an unadministered test, test key, home solution or computer program;
- falsifying research data, laboratory reports, and/or other academic work offered for credit;
- taking, keeping, misplacing, or damaging the property of The University of Texas at Tyler, or of another, if the student knows or reasonably should know that an unfair academic advantage would be gained by such conduct; and
- misrepresenting facts, including providing false grades or resumes, for the purpose of obtaining an academic or financial benefit or injuring another student academically or financially.

ii.   "Plagiarism" includes, but is not limited to, the appropriation, buying, receiving as a gift, or obtaining by any means another's work and the submission of it as one's own academic work offered for credit.

Iii.   "Collusion" includes, but is not limited to, the unauthorized collaboration with another person in preparing academic assignments offered for credit or collaboration with another person to commit a violation of any section of the rules on scholastic dishonesty.

iv.   All written work that is submitted will be subject to review by plagiarism software.

UT Tyler Resources for Students
- UT Tyler Writing Center (903.565.5995), writingcenter@uttyler.edu
- UT Tyler Tutoring Center (903.565.5964), tutoring@uttyler.edu
- The Mathematics Learning Center, RBN 4021, this is the open access computer lab for math students, with tutors on duty to assist students who are enrolled in early-career courses.
- UT Tyler Counseling Center (903.566.7254)

Tentative Course Schedule and Assignments:

Date	Everyone (COB 255)	CS (COB 255)	IT (COB 259)	CIS (COB 259)
Jan 14	Introduction to Capstone			
Jan 16	Semester Project Description			
Jan 21	One Minute Pitch			
Jan 23	Five Minute Pitch			
Jan 28	Project Work Day			
Jan 30		Project Work Day	Project Work Day	Project Work Day
Feb 4		SDLC.Planning	Project Work Day	Project Work Day
Feb 6		SDLC.Planning	Project Work Day	Project Work Day
Feb 11		SDLC.Analysis	Bare metal setup	Value Proposition
Feb 13		SDLC.Analysis	Bare metal setup	Value Proposition
Feb 18	Project Work Day			
Feb 20	Project Work Day			
Feb 25		SDLC.Design	Backup Plan	Customer Segments
Feb 27		SDLC.Design	Backup Plan	Customer Segments
Mar 3	Mid-semester Presentation			
Mar 5	Mid-semester Presentation			
Mar 10	Spring Break – No Classes			
Mar 12	Spring Break – No Classes			
Mar 17	Project Work Day			
Mar 19		Project Work Day	Field Exam	Field Exam
Mar 24		SDLC.Implementation	Backend Services	Professional Website
Mar 26		SDLC.Implementation	Backend Services	Professional Website
Mar 31		SDLC.Maintenance	User Manual	Cost Structure
Apr 2		SDLC.Maintenance	User Manual	Cost Structure
Apr 7		Project Work Day	"Tech Need" Report	Revenue Streams
Apr 9		Project Work Day	"Tech Need" Report	Revenue Streams
Apr 14	Project Work Day			
Apr 16	Final Presentations			
Apr 21	Final Presentations			
Apr23	Final Presentations			

Scheduled dates may vary depending on the pace of the class.