Course Syllabus Spring 2015 (Tentative)

CSCI 524 - Analysis & Design of Software Systems

Weekly Class Meetings:	**Instructor Office Hours (Jour210):**
100% Online course	Wed & Thurs: 3:00-5:00PM, 3:00-430PM or by appointment.

INSTRUCTOR:
Dr. Tanik
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Texas A&M University – Commerce
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TEXTBOOK:
System Analysis and Design - 10th Edition by Harry J Rosenblatt, Shelly Cashman Series, 2014, ISBN: 978-1-285-17134-0, ISBN10: 1-285-17134-9, ISBN13: 978-1-285-17134-0

COURSE DESCRIPTION:
General theory, concept, and techniques related to systems planning, analysis, design, implementation, support and security are studied.

Credit hours: 3.

STUDENT LEARNING OUTCOMES:
1. Identify the main components of designing of a software system,
2. Explain project management concepts early in the systems development process,
3. Successfully tackle mini-cases and respond to real-life ethical issues in an IT environment,
4. Describe structured, object-oriented, and agile systems development methods,
5. Explain the importance of planning, implementing, and managing an effective IT security program,
6. Explain how IT supports business requirements in today's intensely competitive environment, and describe major IT developments and trends.

TENTATIVE COURSE OUTLINE:
Following is the tentative schedule of the topics that will be covered in this course. This schedule is subject to change so it's students' responsibility to watch for course announcements that will be posted on course eCollege site.

Week	Chapter	Topic
1	1	Introduction to Systems Analysis and Design
2	2	Analyzing the Business Case
3	3	Managing Systems

		Projects
4	4	Requirements Modeling
5	5	Data and Process Modeling
6 Midterm		Review
7	6	Object Modeling
8	7	Development Strategies
9	8	User Interface Design
10	9	Data Design
11	10	System Architecture
12	11	Managing Systems Implementation
13	12	Systems Support and Security
14	Final Exam	

EVALUATION

Attendance (virtual), class-participation & quizzes 20%
Homework Assignments 30%
Midterm Exam 20%
Final Exam (Comprehensive of all the material covered) 30%

100%

Letter grades will be assigned according to the following scale:

A - at least 90% of the total points
B - at least 80% of the total points
C - at least 70% of the total points
D - at least 60% of the total points
F - less than 60% of the total points

COURSE REQUIREMENTS:

Assignments: Project teams may be formed to learn best industry practices. There will be regularly assigned homework problems, which may require the application of various software packages. Assignments will be given and returned online via the online eCollege system. It is the student's responsibility to login and check the course eCollege site daily for announcements, assignments and course-related content.
Quizzes: Quizzes may be given as needed.
Exams: Two exams will be given, one midterm exam and one final exam. Midterm exam will cover topics from Chapters 1-6, and final exam will be comprehensive. However students may expect to receive more questions from Chapters 7-12 on final exam.

Follow all rules of ethics, e.g. you should do your own work on exams/projects and for assignments. Copying another student's work is not acceptable. As stated in the "Academic Ethics" section, any

indication of cheating and/or plagiarism on an assignment or exam will be an automatic 0 (zero) for all students involved, in addition to disciplinary action.

ATTENDANCE:

Since this is an online course, each student is expected to regularly login to the course website at TAMUC eCollege. Be sure to login regularly each week to view a chapter presentation, to take a quiz or submit an assignment

COMMUNICATION:

All announcements and updates about the course will be posted on course eCollege site. You will also find chapter presentations, quizzes, assignments and/or exams on this portal. For any questions you may have, you can contact me via email during weekdays and I will respond quickly. Each student is responsible for the content/instructions of email communications.

ACADEMIC ETHICS:

"All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment." (See Student's Guide Handbook, Policies and Procedures, Conduct). Ethics include the issue of plagiarism, and copying parts or whole of assignments, quizzes and exams is just as serious as any other type of plagiarism. Any indication of cheating and/or plagiarism on an exam/assignment/project will be an automatic 0 (zero) for the exam/assignment/project for all students involved. Yet, based on cheating and plagiarism activity in any section of the class, instructor holds the right to give F grade for the course to the identified student(s).

STUDENTS WITH DISABILITIES

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services
Texas A&M University-Commerce
Gee Library, Room 132
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
StudentDisabilityServices@tamu-commerce.edu

DISCLAIMER:

This syllabus is meant to provide general guidance of what to expect from this course. The instructor reserves the right to make changes as appropriate based on the progress of the class. All changes made to this syllabus during the semester will be announced. This document has been posted electronically. If you print a copy of it, please be sure to consult the last modified date of the online version to verify that your printed copy is current.

Smoke, Vapor & Tobacco Free Environment:

University Procedure 34.05.99.R1 now prohibits the use of vapor/electronic cigarettes, smokeless tobacco, snuff and chewing tobacco inside and adjacent to any building owned, leased, or operated by A&M – Commerc