CSCI 524 (2015 Fall Syllabus - Tentative) - Analysis & Design of Software Systems (01E 81037)

Meets 8/31/2015 through 12/18/2015
W 12:30p-3:10p Location: EDS134

Prerequisites: Lvl G CSCI 516 Min Grade B or C515 075 or W515 0 and Lvl G CSCI 520 Min Grade C

Instructor Office Hours (Jour210):
Wed: 3:15-5:00PM, Thurs: 3:15-5:00PM and Mon-Fri 10:00am-8:00pm (by appt).

INSTRUCTOR:
Dr. Tanik
Assistant Professor, Department of Computer Science
Texas A&M University – Commerce
Office: JOUR210
Email: John.Tanik@tamuc.edu
Phone: 903-886-5419

TEXTBOOK:

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.

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<td>Managing Systems Projects</td>
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**EVALUATION**

Attendance (virtual), class-participation & quizzes 10%
Homework Assignments 20%
Project 20%
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 work will include 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 primarily 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.

**Policy:** 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:
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. If you are late three times for more than 15 minutes (or miss more than three classes with unexcused absence), you will automatically drop a letter grade. If you miss more than five classes with unexcused absence, you will automatically fail the course.

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 – Commerce