Texas Wesleyan University Course Syllabus Spring 2020

Course: BUA 3305.30 Information System Analysis & Design	**Course meets:** Daily via Blackboard
Instructor: Thomas J. Bell III, Ph.D. PMP, PMI-SP, CISA, CRISC, LSSGB, ITIL, COBIT	**Office:** AMB 301
Phone: (817) 531-4845	**Office Hours:** 10:45 am – 12:00 pm (MW) 1:30 pm – 4:30 pm (MW) 10:45 am – 12:10 pm (T) (Other times by appointment.)
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Course Introduction

This course will introduce you to the concepts of computer-based information systems and their business significance in a 21st-century economy. Moreover, you will discover the requisite skill sets of a systems analyst to methodically investigative business difficulties in such a way that an information system solution can be designed taking into account client, business, and technical needs.

Course Description

Prerequisite: completed at least 45 hours; note, if this course is a prerequisite for another business course a grade of C or better is required.

Introduction to the concepts of systems analysis and design. Focus is on the nature of information retrieval systems and the cost of information, emphasizing the design of systems to meet the information processing needs of the end user.

A survey of fundamental principles of information systems in organizations. The roles of information systems in problem-solving and improvement of organizational effectiveness. This course is designed to introduce business students to the concepts, methodologies, and techniques involved in information systems analysis and design. The course presents an overview of information systems and the system development life cycle for the systems analyst. Course emphasis is on tools and techniques that the systems analyst can use to design and manage information systems.

This course does not meet a General Education Requirement.

Course Learning Objectives	Program Goal Objectives
Describe potential ethical and social issues related to information systems	Students will apply a framework for examining ethical dilemmas in

	specific business cases and will identify key concepts in business ethics.
Apply critical thinking (knowledge, comprehension, application, analysis, synthesis and evaluation) to solve problems related to computer information systems	Students will analyze business articles using a framework to improve their critical thinking skills.
Demonstrate effective written communication skills	Students will create well-written documents on a business topic.
Apply an appropriate information technology analysis methodology (traditional, waterfall, agile, etc) to the decision making process	Students will demonstrate proficiency in using appropriate software to solve business problems.
Analyze the needs of various types of users within an organization in order to ensure that functional area concepts are appropriately applied in an information system	Students will discuss implications resulting from changes in business conditions.

Required Materials

Textbook:
Principles of Information Systems
Ralph M. Stair and George W. Reynolds
Cengage Learning
13th Edition
2018
ISBN-13: 978-1285867168
ISBN-10: 1285867165
(No Access Code is needed for the course)

Technology:
Students must possess a computer with an integrated webcam or stand-alone webcam that plugs into the computer. Students cannot take proctored assessments without a webcam.

Learning Methods and Technologies
The learning methods used in this course include the following:

x Discussion forums and/or wikis
☐ Synchronous (real-time) virtual meetings with peers and/or the instructor
☐ Streaming video
x Quizzes
x Exams

☐ Collaborative assignments
x Independent homework assignments
x Writing-intensive assignments
☐ Clinical or field work
☐ Other:

Student Workload Expectation
This course is a 15-week, 3-credit hour course, which is designed around seven logical units or modules. Module 1-7 assignments will be scheduled across a two-week session for each module, which means that students are expected to do at least 16.25 hours (975 minutes) of course-related work each week during the semester. This independent learning includes things like: completing assigned readings, preparing written assignments, and studying for tests and examinations.

Modules and Assessments

The table below contains an outline of the topics and assessments (assignments, projects, exams, etc.) that will be addressed in each module of the course. Note that a module may span more than one week.

Topic	Lessons and Assignments
Getting Started	Course Welcome Course Schedule Course Syllabus Discussion: Getting Acquainted
1: Introduction to Information Systems (IS) and IS in Business	Lesson: Introduction to Information Systems Journal: Cloud Computing Discussion: Cloud Computing: A Trend or a Fad? Summary Report: IT Doesn't Matter Milestone 1: Final Project Review and Topic Exploration Module 1 Quiz
2: Strategic Planning and Information Systems Alignment and Development	Lesson: Strategic Planning and Information Systems Alignment and Development Journal: Enterprise Resource Planning (ERP) Systems Discussion: A Closer Look at ERP Summary Report: The World Is Flat Milestone 2: Industry Analysis Report, Interview Questionnaire, and Meeting Agenda Module 2 Quiz
3: Computer Hardware and Enterprise Systems	Lesson: Computer Hardware and Enterprise Systems Journal: Artificial Intelligence (AI) Discussion: Google Duplex Summary Report: Triumph of the Nerds, Part 1 Milestone 3: Interview Debrief Report Module 3 Quiz
4: Software Application and Knowledge Management	Lesson: Software Application and Knowledge Management Journal: Internet of Things (IoT) Discussion: Mash Up the Internet of Things with AI Summary Report: Triumph of the Nerds, Part 2 Milestone 4: SWOT Analysis and Systems Analysis Module 4 Quiz
5: Data Analytics and Database Management Systems (DBMS)	Lesson: Database Management Systems Journal: Big Data Discussion: How Is Amazon, Google, or Facebook Using Big Data for Business Intelligence (BI)? Summary Report: Triumph of the Nerds, Part 3 Milestone 5: System Design Module 5 Quiz
6: Cloud Computing Networks and Electronic Commerce	Lesson: Cloud Computing Networks and Electronic Commerce Reminder: Work on Final Project Journal: 5G Networks Discussion: Could 5G Networks Change the Business and Social World as We Know It? Module 6 Quiz

7: Information System Security, Social, and Ethical Challenges	Lesson: Cybercrime and Information System Security Journal: Facial Recognition Systems Discussion: Online Privacy vs. Online Security Summary Report: Big Brother Big Business Module 7 Quiz Final Project: Management Information System Analysis and Design Project Report

Course Requirements

Course Repeat Policy

Any course taken at Texas Wesleyan University and repeated for a grade must be repeated at least once at Texas Wesleyan University. Any course taken at another institution may be repeated at Texas Wesleyan University. The most recent grade on the repeated course will be counted. When a course is repeated, the grade point average will be computed using the most recent grade achieved. For graduate students, individual program requirements may restrict the repetition of some courses, refer to individual program policies.

Submitting and Returning Assessments

Assessment Submission
- Submit all of your assignments via Blackboard.
- Use the standard Microsoft© Office programs such as Word, PowerPoint, and Excel (available to you through your txwes.edu Office 365 account) to complete your assignments unless assignment directions specify that you should use a different file format.
- Use APA style when formatting your documents.
- Late assignment submission will NOT be graded unless prior approval was granted by the instructor.

Assessment Feedback
- I will provide feedback on assessments within 2 days after submission.
- My feedback will be provided in the form of rubrics, notes on Word documents and notes in the Grade Center.

Communication with the Instructor
- To contact me with questions and concerns related to this course, post to the Q&A discussion forum, which I will check throughout the day. I will address questions posted after 9 p.m. on the following morning. You should also check the forum on a regular basis, as others in the class may be able to answer your question before I do. Send questions of a personal nature to me via email. I will respond to emails within 24 hours, except on weekends or holidays, when responses may be delayed.

Quizzes and Exams
- The University will use a proctoring tool to proctor exams and other assessments. Students cannot take proctored exams and/or long quizzes without a functioning webcam. Short quizzes (low component of grade, low number of questions, easy multiple choice or true/false questions) will not be proctored.
- Missed quizzes will NOT be graded unless prior approval was granted by the instructor.

Evaluation & Grading

Assignment Category	Number of Graded Items	Point Value per Item	Total Points

Course Introduction	2	5	10
Discussions	7	25	175
Journals	7	25	175
Summary Reports	6	25	150
Quizzes	7	20	140
Milestones	5	45	225
Final Project	1	125	125
		Total Course Points:	1000

Course Policies

Absence Policy & Participation

A student attends an online course by engaging in academically related activities of the course. Examples of such activities include but are not limited to: contributing to an online discussion or chat session; submitting an assignment or working draft; working exercises; taking a quiz or exam; or initiating contact with a faculty member to ask a course-related question. Documenting that a student has logged into an online class or website is not sufficient, by itself, to demonstrate academic attendance by the student.

Any student who has not logged into an online course within one week of the start date of the course will be dropped from the class roster for nonattendance. Any student who fails to complete coursework which in the aggregate constitutes 10% or more of the course grade during the term may be dropped from the course for nonattendance. The last date of a student's attendance will be the date the student last logged into the course and completed an academically related activity.

Academic Integrity

- Cheating, plagiarism (submitting another person's material as one's own), or completing assignments for another person who will receive academic credit are not permitted. This includes the use of unauthorized books, notebooks, or other sources in order to secure or give help during an examination, the unauthorized copying of examinations, assignments, reports, or term papers, or the presentation of unacknowledged material as if it were the student's own work. Disciplinary action may be taken beyond the academic discipline administered by the course instructor. Read the University's Academic Integrity Policy.

- Links to selected University policies are available in Blackboard under the Student tab. The current Texas Wesleyan University Catalog and Student Handbook contain all University policies.

- Course syllabi are intended to provide students with basic information concerning the course. The syllabus can be viewed as a "blueprint" for the course. Instructors will inform students of any changes concerning examinations, the grading or attendance policies, or changes in project assignments.