Note:

Course content may be changed, term to term, without notice. The information below is provided as a guide for course selection and is not binding in any form, and should <u>not</u> be used to purchase course materials.

LIBERTY UNIVERSITY

COURSE SYLLABUS

CSIS 351

SYSTEM ANALYSIS AND DESIGN

COURSE DESCRIPTION

This practical course in information systems development will cover the concepts, skills, methodologies (RAD as well as SDLC), and tools essential for systems analysts to successfully develop information systems. The course will also introduce the student to the Oracle Designer CASE tools, which will be used to assist in the documentation of the analysis and design phases. The course will include a significant amount of team-based activities, therefore issues associated with team interactions and processes will be discussed. (Formerly BMIS 351)

RATIONALE

Object-oriented systems analysis and design is gaining in popularity. As emphasis on the Internet continues to expand in the business world, an increasing amount of software is designed to operate in this environment—almost entirely using object-oriented tools and techniques. Although OOSAD is based on object-oriented concepts and is different from the still-popular structured analysis methodology developed in the 1970's, the overall focus on the development of effective information systems is the same.

I. PREREQUISITE

For information regarding prerequisites for this course, please refer to the Academic Course Catalog.

II. REQUIRED RESOURCE PURCHASE

Click on the following link to view the required resource(s) for the term in which you are registered: http://bookstore.mbsdirect.net/liberty.htm

III. ADDITIONAL MATERIALS FOR LEARNING

A. Computer with basic video equipment

B. Internet access (broadband recommended)

C. Blackboard recommended browsers

D. Microsoft Office

E. APA formatting: http://ezproxy.liberty.edu/login?url=http://APAStyleCENTRAL.apa.org

IV. Measurable Learning Outcomes

Upon successful completion of this course, the student will be able to:

A. Discuss the relevance of course material to a biblical worldview.

B. Perform various analysis projects, which include analyzing a problem and identifying the computing requirements appropriate to its solution.

C. Design a process component or program to meet the desired need.

D. Analyze a computer-based system.

E. Utilize current techniques, skills, and tools necessary for computing practice.

V. Course Requirements and Assignments

A. Textbook readings and lecture presentations

B. Course Requirements Checklist

After reading the Syllabus and Student Expectations, the student will complete the related checklist found in Module/Week 1.

C. Discussion Board Forums (6)

Discussion boards are collaborative learning experiences. Therefore, in each module/week, the student will create a thread in response to the provided prompt for each forum.

D. Minicase Assignments (4)

The student will complete 4 Minicase Assignment problems from the course textbook, studying business scenarios, and applying them to what he or she has learned in the course. The student must read the case, answer the questions, and submit his or her answers through the respective assignment links.

E. Systems Design Project

The student will create an entire SDLC process that will bring added value to a business, using his/her own place of business (preferred) or an existing business.

F. Quizzes (4)

Each quiz will cover the Reading & Study material for the assigned modules/weeks along with the preceding module/week.

VI. COURSE GRADING AND POLICIES

A. Points

Course Requirements Checklist		10
Discussion Board Forums (6 at 40 pts ea)		240
SCR (6 at 50 pts ea)		300
Systems Design Project		160
Quizzes (4 at 75 pts ea)		300
	Total	1010

B. Scale

A = 900–1010 B = 800–899 C = 700–799 D = 600–699 F = 0–599

C. Statute of Limitations

Any questions or complaints regarding the grading of attendance, projects, assignments, quizzes, exams, or any other graded work must be raised within one week after the score is made available (not when the student receives it or looks it up). The instructor reserves the right to deny legitimate grade changes due to grading errors if the score is not challenged within the week.

D. Disability Assistance

Students with a documented disability may contact Liberty University Online's Office of Disability Accommodation Support (ODAS) at LUOODAS@liberty.edu to make arrangements for academic accommodations. Further information can be found at www.liberty.edu/disabilitysupport.

If you have a complaint related to disability discrimination or an accommodation that was not provided, you may contact ODAS or the Office of Equity and Compliance by phone at (434) 592-4999 or by email at equityandcompliance@liberty.edu. Click to see a full copy of Liberty's Discrimination, Harassment, and Sexual Misconduct Policy or the Student Disability Grievance Policy and Procedures.

LIBERTY UNIVERSITY

COURSE SCHEDULE

CSIS 351

Textbook: Tilley, R. (2016) Systems Analysis and Design.

MODULE/ WEEK	READING & STUDY	ASSIGNMENTS	POINTS
1	Tilley : ch. 1–2 1 presentation video	Course Requirements Checklist Class Introductions DB Forum 1	10 0 40
2	Tilley.: chs. 3–4 2 presentation videos	SRC Case 1 Quiz 1	50 75
3	Tilley.: chs. 5–6 1 presentation video	DB Forum 2 SRC Case 2	40 50
4	Tilley: chs. 6, 7, 8 2 presentation videos	DB Forum 3 SRC Case 3 Quiz 2	40 50 75
5	Tilley.: ch. 9 5 presentation videos	DB Forum 4 SRC Case 4	40 50
6	Tilley.: ch. 9–10	SRC Case 5 DB Forum 5 Quiz 3	50 40 75
7	Tilley.: ch. 11 3 presentation videos	SRC Case 6 DB Forum 6	50 40
8	Tilley.: ch. 11 - 12 1 presentation video	Systems Design Project Quiz 4	160 75
		TOTAL	**1010**

DB = Discussion Board

NOTE: Each course week (except Module/Week 1) begins on Tuesday morning at 12:00 a.m. (ET) and ends on Monday night at 11:59 p.m. (ET). The final week ends at 11:59 p.m. (ET) on **Friday**.