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.

COURSE SYLLABUS

BMIS 601
DECISION MAKING AND EXECUTIVE INFORMATION SYSTEMS

COURSE DESCRIPTION

This course will provide students with an understanding of computer-based information systems and their role in modern global organizations and society as a whole. Topics will explore the capabilities and limitations of information systems based on their design and configurations. Databases will be a focus of this course, considering the central role they play in the information systems strategies of most organizations.

RATIONALE

This course provides an in-depth study of the application of decision support systems (DSS) and their underlying foundations in decision theory. It prepares professionals for the design, development, and application of systems that support business intelligence and other types of decisions.

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 audio/video output equipment

B. Internet access (broadband recommended)

C. Microsoft Office

IV. MEASURABLE LEARNING OUTCOMES

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

A. Discuss the relevance of course material and the use of technology in relation to a biblical worldview.

B. Apply appropriate decision theories and models in order to solve complex business problems.

C.   Construct database designs that support decision support systems.

D.   Design information systems, specifically DSS (decision support systems) and EIS (executive information systems), by combining the elements of decision theory, HCI design principles, and current technologies.

V.   COURSE REQUIREMENTS AND ASSIGNMENTS

A.   Textbook Readings

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 (4)

There will be 4 Discussion Board Forums throughout the course. The purpose of Discussion Board Forums is to generate interaction among classmates in regards to relevant current course topics and to provide the student with a platform to present his/her research to an audience of his/her peers. The student is required to post 1 thread with a minimum of 1,000 words. The format of the thread must not be informal; rather, the format must be that of a research paper. Depth of analysis and comprehensiveness of your literature review are important factors. The student is also required to reply to 2 classmates' threads with a minimum of 500 words. For each Discussion Board Forum, the student must support his/her assertions in the thread with at least 5 citations in APA format. Each reply must cite at least 3 sources. Acceptable sources include the textbook, the Bible, additional required readings, and other peer-reviewed journal articles.

D.   Course Project

The Course Project will entail 4 deliverables. The student will design a decision support system for a real-world user and present the system to the user in 4 phases.

E.   Quizzes (4)

The student will take 4 quizzes in this course. Each quiz will cover the materials presented in the textbook as well as the assigned articles.

VI.   COURSE GRADING AND POLICIES

A.   Points

Course Requirements Checklist	10
Discussion Board Forums (4 at 100 pts ea)	400
Course Project	
Phase I	50
Phase II	100
Phase III	100

Phase IV	150
Quizzes (4 at 50 pts ea)	200
Total	1010

B.   Scale

A = 940–1010   A- = 920–939   B+ = 900–919   B = 860–899   B- = 840–859

C+ = 820–839   C = 780–819   C- = 760–779   F = 0–759

C.   Disability Assistance

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

COURSE SCHEDULE

BMIS 601

Textbook: Sauter, *Decision Support Systems for Business Intelligence* (2010).

MODULE/ WEEK	READING & STUDY	ASSIGNMENTS	POINTS
1	Sauter: ch. 1 1 presentation 4 websites	Course Requirements Checklist Class Introductions DB Forum 1	10 0 100
2	Sauter: ch. 2 3 websites	Course Project: Phase I Quiz 1	50 50
3	Sauter: ch. 3 1 presentation 3 websites	Course Project: Phase II	100
4	Sauter: ch. 4 3 websites	DB Forum 2 Quiz 2	100 50
5	Sauter: chs. 4S, 5 1 presentation 3 websites	Course Project: Phase III	100
6	Sauter: chs. 6–7 3 websites	DB Forum 3 Quiz 3	100 50
7	Sauter: chs. 8–9 1 presentation 4 websites	Course Project: Phase IV	150
8	Sauter: ch. 10–11 4 websites	DB Forum 4 Quiz 4	100 50
		TOTAL	**1010**

DB = Discussion Board

NOTE: Module/Week one begins on Monday and ends at 11:59 p.m. (ET) on Friday. Modules/Weeks 2-8 begin on Saturday and end at 11:59 p.m. (ET) on Friday.