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 603
BUSINESS SIMULATION AND MODELING

COURSE DESCRIPTION

This course introduces students to the concepts of business process improvement and principles of lean thinking. This course will address the historical reasons behind the structure of organizations. Students will learn to analyze and re-conceptualize the organization in terms of business processes and how to use that knowledge to improve organizational effectiveness and efficiency.

RATIONALE

It is a belief that by looking at business processes that cut across functional areas, future IS managers will be able to understand the organization, its customers, suppliers, and partners as a progression of related and integrated complex systems. An example is the processes that span multiple organizations, especially the processes that are associated with the supply chain management. The business process approach permits the study of individual processes within the organization to determine the degree to which they add value to the firm. In so doing, the student learns about how the various portions of the firm (and its outsourcers and contractors) are interconnected with one another. (ACM, MSIS – 2006)

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 to a biblical worldview.

B.   Differentiate organizational structure effectiveness and efficiency.

C.   Evaluate simulation and modeling processes as they apply to business.

D.   Formulate relevant business simulation models.

E.   Construct an appropriate modeling system to solve existing business problems.

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 (4)

The student is required to create a thread in response to the provided prompt for each forum.

D.   BPMN Projects (4)

The student will submit 4 BPMN projects for a real-world business process, utilizing the ARIS Express software.

E.   Simulation Reflection Paper

The student will complete a BPM simulation game. At the completion of the simulation, the student will write a reflection paper on the learning experience.

VI.   **COURSE GRADING AND POLICIES**

A.   Points

Course Requirements Checklist	10
Discussion Board Forums (4 at 35 pts ea)	140
BPMN Projects (4 at 200 pts ea)	800
Simulation Reflection Paper	60
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 603

Textbook: Pant & Juric, *Business Process Driven SOA using BPMN and BPEL* (2008).

MODULE/ WEEK	READING & STUDY	ASSIGNMENTS	POINTS
1	Pant & Juric: chs. 1-2 1 presentation 2 websites	Course Requirements Checklist Class Introductions Software Installation DB Forum 1	10 0 0 35
2	Pant & Juric: chs. 1-2 1 presentation 1 website	DB Forum 2	35
3	Pant & Juric: ch. 3 1 presentation 1 website	BPMN Project 1	200
4	Pant & Juric: ch. 4 1 presentation	DB Forum 3	35
5	Pant & Juric: chs. 4-5 1 presentation 1 website	BPMN Project 2	200
6	Pant & Juric: ch. 5 1 website	Simulation Reflection Paper DB Forum 4	60 35
7	Pant & Juric: chs. 5-6 1 website	BPMN Project 3	200
8	Pant & Juric: ch. 6 1 article	BPMN Project 4	200
		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.