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 not 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. PREREQUISITES
For information regarding prerequisites for this course, please refer to the Academic Course Catalog.

II. REQUIRED RESOURCE PURCHASES
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 Word
   (Microsoft Office is available at a special discount to Liberty University students.)
D. ARIS Express Modeling Software (Free Software)
E. Innov8 2.0 BPM Simulation Game (Free Software)

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. Each thread must be at least 500 words and demonstrate course-related knowledge within a biblical worldview. In addition to the thread, the student is required to reply to 2 other classmates’ threads. Each reply must be at least 250 words.

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 1-hour BPM simulation game. At the completion of the simulation, the student will write a 2-page reflection paper on the learning experience.

VI. COURSE GrADING AND POLICIES

A. Points

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Requirements Checklist</td>
<td>10</td>
</tr>
<tr>
<td>Discussion Board Forums (4 at 35 pts ea)</td>
<td>140</td>
</tr>
<tr>
<td>BPMN Projects (4 at 200 pts ea)</td>
<td>800</td>
</tr>
<tr>
<td>Simulation Reflection Paper</td>
<td>60</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1010</td>
</tr>
</tbody>
</table>

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. Late Assignment Policy
If the student is unable to complete an assignment on time, then he or she must contact the instructor immediately by email.

Assignments that are submitted after the due date without prior approval from the instructor will receive the following deductions:

1. Late assignments submitted within one week of the due date will receive a 10% deduction.
2. Assignments submitted more than one week late will receive a 20% deduction.
3. Assignments submitted two weeks late or after the final date of the class will not be accepted.
4. Late Discussion Board threads or replies will not be accepted.

Special circumstances (e.g. death in the family, personal health issues) will be reviewed by the instructor on a case-by-case basis.

D. 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


<table>
<thead>
<tr>
<th>Module/Week</th>
<th>Reading &amp; Study</th>
<th>Assignments</th>
<th>Points</th>
</tr>
</thead>
</table>
| 1            | Pant & Juric: ch. 1  
1 presentation  
2 websites | Course Requirements Checklist  
Class Introductions  
Software Installation  
DB Forum 1 | 10  
0  
0  
35 |
| 2            | Pant & Juric: ch. 2  
1 presentation  
1 website | DB Forum 2 | 35 |
| 3            | 1 presentation | DB Forum 3 | 35 |
| 4            | Pant & Juric: ch. 3  
1 presentation  
1 website | BPMN Project 1 | 200 |
| 5            | 1 presentation  
1 website | BPMN Project 2 | 200 |
| 6            | Pant & Juric: ch. 4  
1 website | Simulation Reflection Paper  
DB Forum 4 | 60  
35 |
| 7            | Pant & Juric: ch. 5  
1 website | BPMN Project 3 | 200 |
| 8            | Pant & Juric: ch. 6  
1 article | BPMN Project 4 | 200 |
|              |                  | **Total**  | **1010** |

**DB = Discussion Board**

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