

**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***

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### **BUSI 615**

#### **LOGISTICS**

#### **COURSE DESCRIPTION**

This course covers logistics concepts and systems with respect to their collective impact on organizational performance. Other topics covered in the course include planning and implementation, demand forecasting, distribution, inventory management, transportation and warehousing. Relevant technologies for maximizing logistics efficiencies are also emphasized.

#### **RATIONALE**

The purpose of this course is to provide students with both a broad framework of logistics theory and a thorough understanding of how to select, implement and operate competitive logistics systems. Students gain valuable vocational skills in the practice of integrated logistics management through a building of a working modular logistics system and they develop appropriate policies for each operational level of this system.

#### **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 365 Suite

#### **IV. MEASURABLE LEARNING OUTCOMES**

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

- A. Locate logistics as an important set of activities to the wealth creating potential of the firm.
- B. Recognize the essential relationship between marketing and logistics.
- C. Formulate a logistics cost benefit analysis from a firm's balance sheet and income statements.
- D. Construct an integrated working ERP model.

- E. Develop a workable ERP implementation plan detailing timings and responsibilities.
- F. Apply logistics systems approaches to effectively improve the firm's total costs and customer service.

**V. COURSE REQUIREMENTS AND ASSIGNMENTS**

- A. Textbook readings and lecture presentations
- B. Course Requirements Checklist

After reading the Course Syllabus and [Student Expectations](#), the student will complete the related checklist found in Module/Week 1.

- C. Discussion Board Forums (4)

Discussion boards are collaborative learning experiences. Therefore, the student is required to provide a thread in response to the provided prompt for each forum. Each thread must be 1000 words and demonstrate course-related knowledge. In addition to the thread, the student is required to reply to 2 classmates' threads. Each reply must be 500 words.

- D. Integration of Faith and Learning

The Faith and Learning assignment is to be completed across Modules/Weeks 4 and 5. In Week 4 the student will make his/her main post of about 750 words. In Module/Week 5, the student will make a substantive critical response of about 500 words to one of his/her colleagues' main posts.

Before the student attempts this Faith and Learning paper, he/she will need to watch to the Kaltura video lecture prepared on business ethics. The student will find this Kaltura lecture in the Module/Week 4 Course Content.

- E. Weekly Integrated Learning Projects

Further detailed instructions are available under Course Content.

- F. Final Integrated Learning Project

The final integrated learning project comprises a working Excel ERP model for your chosen firm. The final project will tie all the preceding modules/weeks together into a fully integrated working ERP model in Excel. The integrated modules/weeks will include, Master Production Schedule, Bill of Materials, Materials Requirements Planning, Capacity Planning, Distribution Requirements Planning and Transport Requirements Planning.

The final submission will also include a written management report detailing (1) a recommendation for implementation based on a cost / benefits analysis; (2) implementation project plan with responsibilities; (3) a justified recommendation for an ERP system (e.g. SAP, or other) and its operation (local or cloud processing; and scope of application (national, global, etc.)). Further detailed instructions are to be found in a Kaltura presentation and in the Course Content.

**VI. COURSE GRADING AND POLICIES****A. Points**

Course Requirements Checklist	10
Discussion Board Forums (4 at 50 pts ea)	200
Integration of Faith and Learning	75
Weekly Integrated Learning Projects (7 at 75 pts ea)	525
Final Integrated Learning Project	200
<b>Total</b>	<b>1010</b>

**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. Quizzes/Tests/Exams**

For timed quizzes/tests/exams, the student is required to complete the quiz/test/exam within the assigned time. For the student who exceeds this time limit, a penalty of 1 point will be deducted for each minute, or part thereof, he/she exceeds the assigned time limit.

**D. Disability Assistance**

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

## ***COURSE SCHEDULE***

### **BUSI 615**

Textbook: LUC, *Logistics* (2017).

<b>MODULE/WEEK</b>	<b>AS PER COURSE DESCRIPTION</b>	<b>TOPIC</b>	<b>READING SOURCE</b>	<b>ASSIGNMENTS</b>	<b>POINTS</b>
<b>1</b>	Strategies and Planning	Marketing and Logistics	Liberty University Custom Text, Logistics, BUSI 615		
			(1) Chapter 2 – MRP in the Modern World (pages 11-23)	- Course Requirements Checklist	10
			(2) Chapter 4 – Inventory in a Manufacturing Environment (pages 43-81)	- Class Introductions - Discussion Board 1 – Key topic - Manufacturing Resource Planning	30
			(3) Chapter 5 – Principles of Materials Requirements Planning (pages 83-94)	- Weekly Integrated Learning Project (Team)	75
			- Video introduction - Module 1 Video Lecture  - Office hours (see faculty information) for Q/A Webex (See faculty information for Webex link)		

MODULE/WEEK	AS PER COURSE DESCRIPTION	TOPIC	READING SOURCE	ASSIGNMENTS	POINTS
2	Demand Forecasting / Planning / Technologies	Demand Forecasting	Liberty University Custom Text, Logistics, BUSI 615	- Discussion Board 1 – 2 x Replies to colleagues	20
			(1) Chapter 4 – Forecasting (page 71) (2) Chapter 5 – Demand Management (page 106) - Module 2 Video Lecture - Office hours (See faculty information) for Q/A Webex (See faculty information for Webex link)	- Weekly Integrated Learning Project (Team)	75
3	Strategies /Planning / Implementation / Technologies	Enterprise Resource Planning / Implementation	Liberty University Custom Text, Logistics, BUSI 615	- Discussion Board 2 – Key topic - Enterprise Resource Planning	30
			(1) Chapter 6 – Introduction to an ERP system (page 129) (2) Chapter 7 – Enterprise Resource Planning (page 141) (3) Chapter 8 – The Benefits of ERP (page 163) (4) Chapter 9 – Review of the Functions of an ERP system (page 171) - Module 3 Video Lecture - Office hours (Monday 7–8 p.m. ET) for Q/A WebEx (See faculty information for Webex link)	- Weekly Integrated Learning Project (Team)	75

MODULE/WEEK	AS PER COURSE DESCRIPTION	TOPIC	READING SOURCE	ASSIGNMENTS	POINTS
4	Inventory Management / Technologies	Demand Driven Materials Requirements Planning / Implementation	Liberty University Custom Text, Logistics, BUSI 615	- Discussion Board 2 (2 x Replies to colleagues)	20
			(1) Chapter 10 – MRP Planning System (page 233)	- Integration of Faith and Learning (Main post)	50
			(2) Chapter 11 – Processing Logic (page 253)	- Weekly Integrated Learning Project (Team)	75
			(3) Chapter 12 – Master Production Schedule (page 281)		
			(4) Chapter 13 – Systems Effectiveness (page 305)		
			- Module 4 Video Lectures		
			- Office hours (Monday 7–8 p.m. ET) for Q/A Webex (See faculty information for Webex link)		

MODULE/WEEK	AS PER COURSE DESCRIPTION	TOPIC	READING SOURCE	ASSIGNMENTS	POINTS
5	Distribution / Warehousing / Technologies	Distribution Requirements Planning / Implementation	Liberty University Custom Text, Logistics, BUSI 615 (1) Chapter 14 – Distribution Requirements Planning (page 321)	- Discussion Board 3 – Key topic – Integrated Logistics Information Systems	30
			(2) Chapter 15 – Distribution Strategy (page 360) (3) Chapter 16 – Channel Design (page 376) (4) Chapter 17 – Supply Chain and Channel Management (page 406)	- Integration of Faith and Learning (Replies) - Weekly Integrated Learning Project (Team)	25
			- Module 5 Video Lecture - Office hours (Monday 7–8 p.m. ET) for Q/A Webex (See faculty information for Webex link)		75
6	Transportation / Technologies	Transport requirements planning / Implementation	Liberty University Custom Text, Logistics, BUSI 615 (1) Chapter 18 – Transportation (page 440)	- Discussion Board 3 (2 x Replies to colleagues)	20
			(2) Chapter 19 – Capacity Planning (page 478)	- Weekly Integrated Learning Project (Team)	75
			- Module 6 Video Lecture - Office hours (Monday 7–8 p.m. ET) for Q/A Webex (See faculty information for Webex link)		



MODULE/WEEK	AS PER COURSE DESCRIPTION	TOPIC	READING SOURCE	ASSIGNMENTS	POINTS
7	Technologies	Logistics IT Project Management	Liberty University Custom Text, Logistics, BUSI 615  (1) Chapter 20 – Strategy and MPC Design (page 512)	- Discussion Board 4 – Key topic – Implementation of an Integrated Logistics System	30
			(2) Chapter 21 – Lean Manufacturing and MRP (page 539)  (3) Chapter 22 – Implementing an ERP system (page 551)  - Module 7 Video Lecture  - Office hours (Monday 7–8 p.m. ET) for Q/A Webex (See faculty information for Webex link)	- Weekly Integrated Learning Project (Team)	75
8	International Logistics / Technologies	Global Logistics Planning and Implementation	Liberty University Custom Text, Logistics, BUSI 615  (1) Chapter 22 – Global Supply Chains (page 564)	- Discussion Board 4 (2 x Replies to colleagues)	20
			- Module 8 Video Lecture  - Office hours (Monday 7–8 p.m. ET) for Q/A Webex (See faculty information for Webex link)	- Final Integrated Learning Project submission	200
<b>Total</b>					<b>1010</b>

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