

Spring 1-2016

## BMIS 541.50: Systems and Operations

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# BMIS 541

## *Systems and Operations*

### Spring Semester 2016

#### **Content**

IS 541 is a survey course which integrates theory and practice in the realm of information systems and operations. Specifically, this course will examine the current landscape of information technology in its various forms and the application of that technology in the operational aspects of an enterprise. The course will stress the following key points:

1. The pervasiveness of computer-based information systems and their role in achieving and maintaining competitive advantage.
2. Specific tools that are used in operations management (e.g. forecasting, statistical process control, total quality management, etc.)
3. And, an operation processes the form the core of many enterprises (e.g. inventory management, project management, supply chain management, and resource planning).

#### **Optional Material**

The textbooks are optional. With the narrated PP slides and chapter notes, students should be able to master the material. If you do choose to purchase the textbooks, any recent edition will suffice; there is no need to spend hundreds of dollars on the most recent editions. But, the course is based on the following books:

Information Systems Today: Managing the Digital World (3TH 2008) Joseph Valacich  
This is the edition the narrated PP slides are based upon.

Operations Management (7TH 2008) Lee J. Krajewski, Larry P. Ritzman and Manoj K Malhotra This is the edition the narrated PP slides are based upon.

Operations Management (9TH 2010) Lee J. Krajewski, Larry P. Ritzman and Manoj K Malhotra This is the edition of the non-narrated PP are based upon.

These books are available at textbooks.com and other online textbook outlets.

#### **Course Process and Delivery**

As an internet-base course in the MBA Foundation, IS 541 is essentially a structured independent study. This means that there is a great onus on the participating students to take initiative in reading the assigned chapter notes, viewing the power point slides,

participating in the Adobe Connect sessions, and taking exams. All materials will be available on Moodle which is accessible through the School of Business Administration web-site. The hour-long Adobe Connect sessions will be once a week at a day and time to be determined. I will make every effort to schedule these at a time when everyone can participate but sometimes there is no time that does not involve a conflict. Following is an overview of each of these components of the class.

1. Text chapters: The class schedule will consist of specific chapters during specified weeks of the semester. The schedule which follows will lay out the sequence of our progress through the text. It is expected that participating students read and listen to the assigned materials during the specified week and be prepared to participate in the online discussion sessions.
2. Power Point Slides: Slides will be posted for the chapters which are assigned each week. These slides provide summaries of the chapters. Students are encouraged to view the slides after they have read the chapters or notes. Exam questions will be taken primarily from the material presented in the Power Point presentations. Narrated versions of the Power Points are also posted which contain a lecture from me on the material. The sound quality is not perfect but is workable.
3. Online Discussion Sessions: The primary form of interaction for this class will be in the form of interactive online sessions. These sessions will be used to answer your questions and to have discussions on relevant issues related to the class. The MBA office has all the information on the equipment needed to access the software we will use. (a microphone and speakers; a headset works great).
4. Exams: Exams will be on-line through the Moodle exam system. Exams will cover specific chapters from the text. Exams will be posted for specific time window. Students must take the exam during the specified time window and once an exam is accessed, a student must take the exam. Students are allowed a single 8.5" x 11" double-sided crib sheet for each exam.

### **Course Schedule**

Week 1-January 25:	IS Chapter 1: Managing the Digital World IS Chapter 2: Fueling Globalization through IS
Week 2-February 1:	IS Chapter 3: Valuing IS Investments IS Chapter 4: Managing IS Infrastructure
Week 3-February 8:	IS Chapter 5: Enabling Commerce Using the Internet IS Chapter 6: Securing Information Systems
Week 4-February 15:	IS Chapter 7: Enhancing Business Intelligence Using IS IS Chapter 8: Building Organizational Partnerships
Week 5-February 22:	IS Chapter 9: Developing Information Systems IS Chapter 10: Managing IS Ethics and Crime

Exam 1: Covers material from IS Chapters 1-10

Week 6-February 29: OM Chapter: 1 Competing with Operations

Week 7-March 7: OM Chapter 2: Planning and Managing Projects

Week 8-March 14: OM Chapter 4: Process Analysis

Week 9-March 21: OM Chapter 5: Quality and Performance

Exam 2: Covers material from the OM Chapters 1-6.

Week 10-March 28: OM Chapter 8: Lean Systems

SPRING BREAK (April 4-April 8)

Week 11-April 11: OM Chapter 9: Supply Chain Design

Week 12-April 18: OM Chapter 10: Supply Chain Integration

Week 13-April 25: OM Chapter 12: Inventory Management

Week 14-May 2: OM Chapter 13: Forecasting

Week 15-May 9: OM Chapter 15 Resource Planning

Exam 3: Covers material from the above chapters since Exam 2.

### **Grading**

Exam 1	33%
Exam 2	33%
Exam 3	33%