

Spring 2-1-2004

IS 541.01: Systems and Operations

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IS 541
Systems and Operations
Spring 2004

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, operations processes that form the core of many enterprises (e.g. inventory management, project management, supply chain management, and resource planning).

Required Material

Information Systems and Operations Management Today by Jessup, Valacich, Krajewski, and Ritzman. Prentice Hall/Pearson Custom Publishing. ISBN 0-536-74408-4

Note: This is a custom published text available primarily through the UM Bookstore. Availability elsewhere is unlikely.

Course Process and Delivery

As an internet-based 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 chapters, viewing the power point slides, participating in on-line threaded discussions, and taking exams. All materials will be available on Blackboard which is accessible through the School of Business Administration web-site. 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 the assigned materials during the specified week and be prepared to participate in the assigned activities which will include threaded discussions and exams.
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. Exam questions

- will be taken primarily from the material presented in the Power Point presentations.
3. Threaded Discussions: The primary form of interaction for this class will be in the form of threaded discussions. I will post questions for each chapter. Each student is expected to interact both with my questions and with the comments of other students. Your grades for this part of the evaluation will take into account both the frequency and quality of your comments.
 4. Exams: Exams will be on-line through the Blackboard 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. Exams will be closed book but students are allow a single 8.5” x 11” double-sided crib sheet for each exam.

Course Schedule

- Week 1-January 26-30: IS Chapter 1: Information Systems: The Big Picture
IS Chapter 2: Information Systems for Competitive Advantage
- Week 2-February 2-6 IS Chapter 3: Database Management Systems
IS Chapter 4: Telecommunications and the Internet
- Week 3-February 9-13 IS Chapter 5: Electronic Commerce, Intranets, and Extranets
IS Chapter 6: Organizational Systems
- Week 4-February 16-20: IS Chapter 7: Enterprise-Wide Information Systems
IS Chapter 9: Information Systems Ethics, Computer Crime and Security
Exam 1: Covers material from the chapters above.
- Week 5-February 23-27 OM Chapter 1: Operations as a Competitive Weapon
- Week 6-March 1-5 OM Chapter 3: Process Management
- Week 7-March 8-12 OM Chapter 4: Managing Project Processes
- Week 8-March 15-19 OM Chapter 6: Total Quality Management
- Week 9-March 22-26 OM Chapter 7: Statistical Process Control
Exam 2: Covers material from the above chapters since Exam 1.
- SPRING BREAK
- Week 10-April 5-9 OM Chapter 11: Supply-Chain Management
- Week 11-April 12-16 OM Chapter 12: Forecasting

Week 12-April 19-22 OM Chapter 13: Inventory Management

Week 13-April 26-30 OM Chapter 15: Resource Planning

Week 14-May 3-7 OM Chapter 16: Lean Systems

Week 15-May 10-14 Exam 3: Covers material from the above chapter since Exam 2.

Grading

Threaded Discussions 25%

Exam 1 25%

Exam 2 25%

Exam 3 25%