江西財经大學
JIANGXI UNIVERSITY OF FINANCE & ECONOMICS

Course Title:

Management Information Systems

Course Code: FS370
Credits: 3
Teaching hours: 48 hours
Prerequisites:
Semester: Fall and Spring Semester

Lecturer's Information:

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Course Description:

This course is taught in English for undergraduate students in the school of information technology. Globalization of trade, the emergence of information economies, and the growth of the Internet and other global communications networks have recast the role of information systems in business and management. Information systems have become essential for creating competitive firms, managing global corporations, and providing useful products and services to customers. Assuming basic college English, students will study the basic concepts, principle theories and methods. At the end of the course they will understand the latest developments, ideas and technologies relating to management information systems and they will be introduced to some of the most recent research in this area. On completion of this course, students will be ready for further study and research on Management Information Systems. They will also have a good working knowledge, including translation skills, of relevant scientific English.

Aims and Objectives:

The purpose of the course is to provide undergraduates with an understanding of information systems and how modern companies can gain a competitive advantage by

use of IS. The course focuses on the key management, organization and technology issues relating to the use of information systems in business and will include an introduction to the technology concepts underlying modern computing and information management, aligning IS to business strategy, the organization, and business model, and transitioning to digital firm.

Learning Outcomes:

On completion of the course a student should be able to

1. Describe MIS and three of Michael Porter's models: Five Forces Model, 3 generic strategies, value-chain model.
2. Explain the significance of enterprise resource planning (ERP) software as the integration of functional software systems.
3. Describe the role of business intelligence
4. Compare and contrast decision support systems and geographic information systems
5. Identify the differences and similarities among customers and their perception of value in B2B and B2C e-commerce.
6. Describe the four systems development methodologies
7. Compare and contrast commonly used metrics for assessing the success of IT systems.
8. Describe privacy and describe ways in which it can be threatened.

Teaching Methods:

Teaching methods will involve a combination of formal lectures, group work, case study, presentation, workshops, multimedia and field study.
Students will be encouraged to explore the application of concepts learned through the use of contemporary case.

Assessment:

Final Examination	40%
Homework assignments	30%
Class participation and performance:	30%
Total	100%

To achieve a pass grade in this course, students must obtain 60% or more as an aggregate mark on the assessment.

Examination content:

A three-hour examination at the end of the Spring semester. The examination is designed to cover the learning outcomes for the module and to test skill development. Questions are set not only to test students' basic comprehension of the syllabus but also their ability to apply such knowledge in particular contexts.

Assignment:

A written assignment of 4000 words should be submitted in week 10 spring semester. This will assess the students' ability to solve complex problems relating to supply management in a systematic manner.

Class participation and performance:

This assessment is provided through the class and tutorials in which students are required to present through case studies and to formally feedback view.

Your Input:

Including time spent in lectures and classes, you should expect to spend an average of approximately 5 hours per week on this course. You will be expected:

- to review your lecture notes and follow up references on each lecture topic;
- to prepare for each class discussion in advance by reading and preparing outline answers to questions and notes to form the basis of discussion;
- to work through lecture notes and other material regularly to check your understanding of the concepts and models discussed, and to raise any difficulties with your class tutor or lecturer;
- to work towards a Team Project which should draw on lecture notes and the references provided but also on a range of sources. An important aspect of the Team Project is the Team's ability to search the relevant literature and find relevant material. You should be gathering material for the Project from the outset of the course.

Course outline:

Chapter 1 The Information Age in Which You Live: Changing the Face of Business

1. 1 Management Information Systems

1.2 Porter's five forces model

1.3 Porter's three generic strategies: Building business strategy

1.4 Two interesting and complementary strategy frameworks

Chapter 2 Major Business Initiatives: Gaining Competitive with IT

2.1 Supply chain management

2.2 Customer relationship management

2.3 E-collaboration

2.4 IT Culture - An organizational perspective

2.5 Enterprise resource planning-bringing it all together

Chapter 3 Database and Data Warehouses: Building Business Intelligence

3.1 The relational database model

3.2 Database management systems tools

3.3 Data warehouses and data mining

3.4 Business intelligence revisited

Chapter 4 Decision Support and Artificial Intelligence: Brainpower for your Business

4.1 Decision support systems

4.2 Geographic information systems

4.3 Expert systems

4.4 Neural networks and fuzzy logic

4.5 Genetic algorithms

4.6 Intelligent agents

4.7 Multi-agent systems and agent-based modeling

Chapter 5 Electronic Commerce: Strategies for New Economy

5.1 E-commerce business models

5.2 Understand your business, products, services, and customers

5.3 Find customers and establish relationships

5.4 Move money easily and securely

5.5 E-business trends

Chapter 6 System Development: Phases, Tools, and Techniques

6.1 Insourcing and the systems development life cycle

6.2 Component-based development

6.3 Selfsourcing (End-user development)

6.4 Prototyping

6.5 Outsourcing

Chapter 7 Enterprise Infrastructure and Integration: Building the Dynamic Enterprise

7.1 Business continuity planning

Chapter 8 Protecting People and Information: Threats and Safeguards

8.1 Ethics

8.2 Privacy

8.3 Security

Text Books and Indicative Reading List:

Stephen Haag, Maeve Cummings. (2011). Management Information Systems (8th Edition). Mc Graw Hill Education. Reprinted by China Machine Press.

Raymond McLeod Jr., George P. Schell. (2006) Management Information Systems (9th Edition). Prentice hall Pearson Education. Reprinted by Peking University Press

Kenneth C. Laudon, Jane P. Laudon. (2006) Mnagement Information Systems—Organization and Technology in the Networked Enterprises(6th Edition). Prentice Hall Pearson Education. Reprinted by Higher Eduction Press.

Team Project:

The Team Project is a piece of collaborative work culminating in a project report to be handed in and assessed as 30% of the total course assessment. Ideally, teams should consist of 2 individuals. Team members will work together to produce a joint report, and each member of a team will receive the same mark for the report. It is up to each team to allocate responsibilities between team members and organize its own work.

Calendar of Teaching Activities:

	Activities	Chapters	Things to remember
Week 1	Lecture	1	Student information gathering
Week 2	Lecture	1	discussion
Week 3	Lecture	2	Student presentation
Week 4	Lecture	2	
Week 5	Lecture	3	
Week 6	Lecture	3	
Week 7	Lecture	4	
Week 8	Lecture	4	
Week 9	Lecture	5	
Week 10	Lecture	5	
Week 11	Lecture	6	
Week 12	Lecture	6	
Week 13	Lecture	7	
Week 14	Lecture	8	
Week 15	Lecture	8	
Week 16	Final exam(time to be confirmed)		