

BUS233 Informasjonssystemer for virksomhetsledelse (MIS)

Management Information Systems (MIS)

ECTS: 5
Instructor: Professor Joe Valacich, visiting professor from Washington State University
Language: English
Term: June block

Course Description:

The world is *flat*. Companies are focusing on the *long tails*. New business models based on concepts of *freeconomics* are flourishing. Change is the norm in the digital world. Globalization, downsizing, outsourcing, and off-shoring are a way of life for today's organizations and tomorrow's managers. What does all this mean? What are the catalysts of these concepts and of all this change? More important, how can organizations thrive in this dynamic and highly competitive marketplace? The answer to these and many similar questions is that information systems and related information technologies are driving globalization, new business models, and hyper-competition.

Today, information systems are an integral part of all business activities and careers. This course is designed to introduce students to contemporary information systems and demonstrate how these systems are used throughout organizations. Most notably, the course will extensively examine how information systems are fueling globalization – making the world smaller and more competitive – in virtually every industry and at an ever-increasing pace. We will focus on the key components of information systems—people, software, hardware, data, and telecommunications, and how these components can be integrated and managed to create competitive advantage. We will examine how organizations choose technological innovations and investments, manage and design the information system architecture, enable commerce using Internet technologies as well as gain business intelligence by acquiring, designing, and securing their information systems investments. In addition, the course will examine how information systems influence numerous ethical issues facing organization and society such as data privacy and ownership as well as how information systems are enabling computer crime and cyber terrorism.

Specific Objectives:

1. Explain the technology, people, and organizational components of information systems
2. Understand how and why information systems are used today in modern organizations
3. Explain how information technology is enabling globalization
4. Formulate a business case for a new information system
5. Explain the components of a comprehensive, reliable, and secure information systems architecture
6. Explain how the Internet is fueling electronic commerce
7. Describe various information systems security threats and safeguards
8. Describe various types of organizational and enterprise-wide information systems
9. Understand the systems development life cycle and how organizations acquire new systems and technologies
10. Describe and contrast computer ethics and crime

Assignments and Grading:

The course will have a project to help students experience and gain proficiency with modern information technologies as well as daily quizzes and a final examination to allow students to demonstrate mastery of various topics discussed within the lectures.

- **Individual Project:** You will create a video biography that will be premiered and shared with your classmates. Details will be discussed in class.
- **Daily Quizzes:** Starting on the second day of class, a short 5-minute quiz covering topics from the previous day will be administered. No make ups will be possible for missed quizzes.
- **Final Exam:** There will be a cumulative exam that will test the students on the content of the material including the supplementary reading materials and class discussions.

Course Materials:

Information Systems Today: Managing in the Digital World, Valacich & Schneider, Prentice Hall (4th Edition), ISBN: 0138157626

Instructor:



Joe Valacich is the *George and Carolyn Hubman Distinguished Professor* of MIS at Washington State University. His teaching interests include systems analysis and design, IT project management, and the management of information systems. He has conducted numerous corporate training and executive development programs for organizations, including: AT&T, Boeing, Dow Chemical, EDS, Exxon, FedEx, General Motors, Microsoft, and Xerox. He is currently serving on the editorial boards of *MIS Quarterly*, *Decision Science* and *Small Group Research*. His primary research interests include technology-mediated collaboration, human-computer interaction, mobile and emerging technologies, e-business, and distance education. He is a prolific researcher, with more than 70 journal publications in numerous prestigious journals. He is also the co-author of several best-selling textbooks and is a leader in designing national curricula and accreditation standards for the information systems discipline.

Joe's homepage is: <http://www.cb.wsu.edu/~jsv/>

Teaching Schedule

Session 1: Tuesday, June 2 (5 hours): Introduction, Lecture Chapters 1/2

Session 2: Wednesday, June 3 (5 hours): Lecture Chapters 2/3/4

Session 3: Thursday, June 4 (5 hours): Lecture Chapters 4/tech briefing

Session 4: Friday, June 5 (4 hours): Lecture Chapters 5/6/7; introduce Project

Week 24: June 8 – 12: Work on Group Project

Session 5: Monday, June 15 (4 hours): Lecture Chapter 8/9

Session 6: Tuesday, June 16 (4 hours): Lecture Chapter 10/11;

Session 7: Wednesday, June 17 (4 hours): Student Project Presentations

June 19th: Final Exam