



CS501045

Strategic IT Applications

Spring, 2020

Acknowledgement

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Outline

- Course description
- Syllabus
- Textbooks
- Teaching materials
- Assessment
- Policies
- Teaching staffs

Course description (1)

- This foundation course develops an understanding of the role of IT in the value chain and the ever-changing competitive arena of information age.
- The focus is on the following topics:
 - The nature and characteristics of information technology (IT),
 - The strategic roles of IT for organizational improvements in operations,
 - Planning and decision making.

Course description (2)

- The course is directed toward future IT specialists, consultants, and managers who:
 - must have a basic understanding of information technologies.
 - identifying strategic opportunities for Information Systems (IS) deployment, managing IT resources, and evaluating IT investments.

Syllabus (1)

- Managing in the Digital World
- Gaining Competitive Advantage Through Information Systems
- Managing the Information Systems Infrastructure and Services
- Enabling Commerce Using the Internet
- Enhancing Business Intelligence Using Information Systems

Syllabus (2)

- Enhancing Business Processes Using Enterprise Information Systems
- Improving Supply Chains and Strengthening Customer Relationships Using Enterprise Information Systems
- Developing and Acquiring Information Systems
- Securing Information Systems

Textbooks (1)

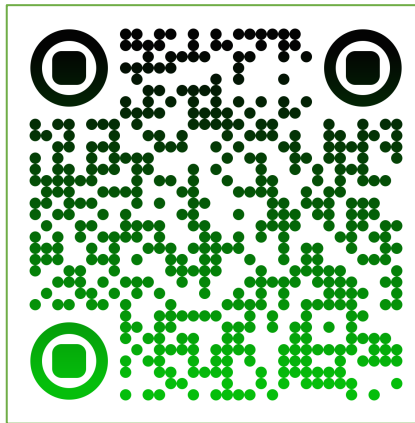
1. Joe Valacich, Christoph Schneider, [2015], ***Information Systems Today: Managing in the Digital World***, 7th Edition, Pearson, New Jersey.
2. Simha R. Magal, Jeffrey Word, [2009], ***Essentials of Business Processes and Information Systems***, 1st Edition, Wiley Publishing.
3. Patricia Wallace, [2014], ***Introduction to Information Systems***, 2nd Edition, Pearson, Boston.

Textbooks (2)

4. Kenneth Laudon, Jane Laudon, [2016], ***Management Information Systems: Managing the Digital Firm***, 14th Edition, Prentice Hall Press.
5. Ralph Stair, George Reynolds, [2015], ***Fundamentals of Information Systems***, 8th Edition, Course Technology, Boston.

Teaching materials

- All resources (lectures, exercises, etc.) are available on the following sites:
 - Course Homepage – <https://www.duonghuuphuc.com/teaching/cs501045/>



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Assessment (1)

- 10% Exercises (On-class + Homework)
- 20% Assignments
- 20% Mid-term exam (Open book)
- 50% Final project

Assessment (2)

- Assignment:
 - Each team will study several materials assigned by the instructor.
 - Prepare and make a presentation and lead classroom discussion.
 - By the second week, students will be formed into several "groups". Each group may consist at most 3 students.
 - The topics will be chosen in consultation with the instructor.
 - Using **English** for report document, slide and oral presentation.

Assessment (3)

- Final Project (50%):
 - Each group will choose a system to implement, the system will be implemented in client-server or web-app fashion
 - The implemented system must have at least 2 departments that exchange data and communicate with each other.
 - There are no limitations in programming language
 - The topics will be chosen in consultation with the instructor
 - Using LaTeX format for both documents and slides
 - Recommend using English for report document, slide, oral presentation

Policies

- All the assignments must be submitted by the due date. No late submission will be accepted. All members of each group must submit the work also.
- About collaboration, you may discuss with other students on the review reports. However, you must write up the reports on your own independently.
- You need to be honest in all academic work and understanding that failure to comply with this commitment will result in disciplinary action.

Teaching staff

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begins