

**Title (Units):** IT 2460 Managing Information Systems in the Digital World (3,3,0)

**Course Aims:** The objective of this course is to increase awareness of the importance of information systems in the commercial environment as a source of competitive advantage. The aim is to help students learn how to develop, manage and evaluate information systems strategy that meets the real needs of business.

**Prerequisite:** IT 1120 Business Information Systems or IT 1140 IT Portfolio or IT1180 Information Management Technology

**Learning Outcomes (LOs):**

Upon successful completion of this course, students should be able to:

No.	Learning Outcomes (LOs)
	<b>Knowledge</b>
1	Describe how the management of information systems and technology is being practiced in organization today.
2	Explain the principles how information systems and technology can be managed to create value for businesses and consumers.
3	Describe some selected support systems as examples to illustrate how different information systems management (ISM) principles can be applied.
4	Depict the current issues in ISM.
	<b>Skill</b>
5	Analyze and present applications of IT for problem solving.

**Calendar Description:** The course deals with the management of information systems and technology as it is being practiced in organizations today to create value for businesses and consumers.

**Assessment:**

No.	Assessment Methods	Weighting	Remarks
1	Continuous Assessment	50%	Continuous assessments are designed to measure how well the students have learned the development, management and evaluation of information systems strategy.
2	Examination	50%	Final examination is designed to see how far students have achieved their intended learning outcomes. Questions will primarily be analysis based to assess student's ability to apply what they have learned to information systems management.

**Learning Outcomes and Weighting:**

Content	LO No.
I. Leadership and Organization Issues	1
II. Managing the Essential Technologies	1,2
III. Selected Support Systems	3
IV. Current Issues in Information Systems Management	1,2, 4
V. Case Studies	5

**References:**

- L. Jessup and J. Valacich, Information Systems Today – Managing in the Digital World, 3<sup>rd</sup> Ed., Prentice Hall, 2008.
- K. C. Laudon and J. P. Laudon, Management Information Systems – Managing the Digital Firm, 10<sup>th</sup> Ed., Prentice Hall, 2006.
- B.E. McNurlin and R.H. Sprague , Information Systems Management in Practice, 7th Ed., Prentice-Hall, 2006
- L.M. Applegate, F. W. McFarlan, J. L. McKenny,  
Corporate Information Systems Management – Text and Cases, 6th Ed., McGraw-Hill, 2002
- J.A. O’Brien, Management Information Systems, 5th Ed., McGraw-Hill, 2001
- R.D. Galliers, D.E. Leidner and B.S.H. Baker, Strategic Information Management – Challenges and Strategies in Managing Information Systems, 2nd Ed, Butterworth Heinemann, 1999.
- S. Alter, Information Systems – A Management Perspective, 3rd Ed., Addison-Wesley, 1999

In addition to lectures and discussion conducted by the lecturer, students will be assigned a topic or topics to prepare for class presentation monitored by the lecturer. Selected journal papers will be used where necessary or appropriate.

**Course Content in Outline:****Topic**

- I. Leadership and Organization Issues
  - A. Organization issues
  - B. Leadership issues
  - C. The strategic role of information technology
  - D. Information systems planning
  - E. Human and ethical issues
- II. Managing the Essential Technologies
  - A. Overall architecture
  - B. Network & telecommunications
  - C. Information resources
  - D. IT operations
  - E. End-user computing
- III. Selected Support Systems
  - A. Decision support systems
  - B. Executive information systems
  - C. Group support systems
  - D. Expert systems
  - E. Electronic document management
  - F. Enterprise resources planning systems
  - G. Supply chain management systems
  - H. Customer relationship management systems
- IV. Current Issues in Information Systems Management
- V. Case Studies