| Title (Units): | **COMP7540 IT Management: Principles and Practice (3,2,1)** |

Course Aims: The course aims to introduce strategic information technology management which creates value for businesses and organizations, and how to implement those emerging technologies to maximize the competitive advantages. Students will learn the alignment of business and technology, as well as how to develop, manage and evaluate information systems and technology strategy that meets the real needs of business.

Prerequisite: Nil

Course Intended Learning Outcomes (CILOs):
Upon successful completion of this course, students should be able to:

No.	Course Intended Learning Outcomes (CILOs)
	Knowledge
1	Describe how the management of information systems and technology is being practiced in organizations today
2	Explain the principles how information systems and technology can be managed to produce value for businesses and consumers
3	Describe some selected support systems as examples to illustrate how different IT management principles can be applied
4	Explain the strategic importance of IT in an organization and the necessity of systematic planning
	Professional Skill
5	Assess the different technologies and suggest ways of managing them
6	Identify the potential problems and risks in relation to system development and implementation and suggest means to avoid them

Calendar Description: The course introduces the management of information technology as it is being practiced in organizations today to produce value for businesses and consumers.

Teaching and Learning Activities (TLAs):

CILOs	Type of TLA
1-4	Students will attend lectures to learn the basic principles and practices of IT management.
2-6	Students will participate in class discussions, group presentations, and problem-solving tasks for in-depth learning.
3-6	Students will attend guest lectures to appreciate current practices of IT management.

Assessment:

No.	Assessment Methods	Weighting	CILOs to be addressed	Description of Assessment Tasks
1	Assessment	20%	1-4	Assignments are designed to assess the knowledge acquired and the ability to utilize the knowledge in different scenarios.
2	Project	40%	1-6	Project is designed to evaluate students' ability to develop and manage technology strategies for real needs of business. The project assessments could be report (20%), and presentation (20%). Course instructor can determine the most appropriate percentage to assess his or her students.
3	Examination	40%	1-6	The final examination is designed to measure the extent to which students have reached all the learning outcomes.

Assessment Rubrics:

	Excellent (A)	Good (B)	Satisfactory (C)	Fail (F)
Management principles	Evidence of a thorough understanding of management principles in IS and IT	Evidence of a good understanding of management principles in IS and IT	Evidence of some understanding of management principles in IS and IT	Fail to show evidence of some understanding of management principles in IS and IT
Managing technologies	Can explain and perform management of essential technologies with a high effectiveness	Can explain and perform management of essential technologies with considerable effectiveness	Can explain and perform management of some essential technologies with some effectiveness	Cannot explain and perform management of essential technologies
Managing development	Can explain and manage system development with a high effectiveness	Can explain and manage system development with a considerable effectiveness	Can explain and manage system development with some effectiveness	Cannot explain and manage system development
System support	Can explain and provide system support with a high effectiveness	Can explain and provide system support with a considerable effectiveness	Can explain and provide system support with some effectiveness	Cannot explain and provide system support
Current practices	Evidence of a thorough understanding of current issues in IS and IT management	Evidence of a good understanding of current issues in IS and IT management	Evidence of some understanding of current issues in IS and IT management	No evidence of a understanding of current issues in IS and IT management

Course Content and CILOs Mapping:

Content		CILO No.
I	Management Principles in the IT Context	2
II	Leadership and Organization Issues	1,4
III	Managing the Essential Technologies	1,2,5
IV	Managing System Development	1,2,5,6
V	Selected Support Systems and Issues	3,4
VI	Current Issues in Information Management and Technology Management	1,2

References:
- Gallaugher, John, Information Systems: A Manager's Guide to Harnessing Technology, v. 5.0, Flatworld Knowledge, Inc., eISBN 978-1-4533-7574-7, 2018
- E. Turban, C. Pollard, G. Wood, Information Technology for Management: On-Demand Strategies for Performance, Growth and Sustainability, 11th Edition, Wiley, 2018
- Kenneth C. Laudon and Jane P. Laudon, Management Information Systems: Managing the Digital Firm,16th Edition, Pearson, 2019

Course Content:

Topic

I.   Management Principles in the IT Context

II.   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
F. Legal issues in information technology

III. Managing the Essential Technologies
A. Overall architecture
B. Network & telecommunications
C. Information resources
D. IT operations
E. End-user computing

IV. Managing System Development
A. Technologies for developing systems
B. Management issues in system development
C. Transforming business requirements into systems functions
D. Risk management

V. Selected Support Systems and Issues
A. Supporting decision making
B. Supporting collaboration
C. Building human, structural, and customer capital
D. Intellectual capital issues

VI. Current Issues in Information Management and Technology Management