UNIVERSITI TEKNOLOGI MARA
ADS606: INFORMATION TECHNOLOGY MANAGEMENT

Course Name (English)	INFORMATION TECHNOLOGY MANAGEMENT `APPROVED`
Course Code	ADS606

MQF Credit	7

Course Description	• The course provides the students with a generalist understanding of the information technology issues and imperatives. The managerial concerns in the information technology trends, its acquisition, use and disposition are the central themes. The organizational value of technology and the attendant risks are highlighted and therefore, the need to integrate technology with the business plan.

Teaching Methodologies	Lectures, Blended Learning, Tutorial

CLO	CLO1 Identify the strengths and weaknesses of different technologies. CLO2 Develop plans for effective integration of technology with the organization.

Pre-Requisite Courses	No course recommendations

Topics

1. The definition and Role of Technology in the Economy
1.1) a) General application

2. Information and Communication Technology
2.1) a) The Creation of the Internet

3. Digital Economy
3.1) a) E-commerce
3.2) b) Information and financial security

4. The Government's Technology Policies
4.1) a) Industrial Master Plan

5. Government Integrated Telecommunication Network(GITN)
5.1) a) Spearheading agencies

6. Key technologies: Characteristics and Implications
6.1) a) Imaging
6.2) b) EDI
6.3) c) ATM

7. Proprietary and Open Platforms
7.1) a) Operating System Selection
7.2) b) Operating License

8. Planning for IT System Development
8.1) a) Planning
8.2) b) Analysis
8.3) c) Design
8.4) d) Develop
8.5) e) Test
8.6) f) Implement

9. Technology Risk Management
9.1) a) Disaster recovery needs assessment
9.2) b) Security, Privacy and Safety
9.3) c) Virus, hacking and data theft
9.4) d) Risk, identification, elimination, reduction and transfer

10. Risk and Technology
10.1) a) Protecting technology
10.2) b) Security, Privacy and Safety
10.3) c) Virus, hacking and data theft

11. Managing Technology
11.1) a) Structural adjustment
11.2) b) Maintenance issues

12. Outsourcing technology management
12.1) Vendor and Supplier Management

13. Human Side of Technology
13.1) a) People, personality and technology
13.2) b) Performance and technology

14. Sosio-technical theories
14.1) a) User motivations
14.2) b) Designing work systems

Assessment Breakdown	%
Continuous Assessment	40.00%
Final Assessment	60.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Assignment	This is a Group Assignment. Students are required to do a write-up. Length of paper is approximately 20 pages.	5%	CLO1 , CLO2
	Presentation	This is a Group Presentation. Students are required to present their Assignment Write-up.	10%	CLO1 , CLO2
	Quiz	Students are required to complete a Quiz during their Blended Learning Session.	5%	
	Test	This is Mid Term Test. Students are required to complete a Test which focuses on chapters covered before the Mid Term break	20%	CLO1

Reading List	Recommended Text	Stair, R. Reynolds, G. (2004)., *Principles of Information System : A Managerial Approach. 6th edition. Canada, Thomson Learning.*
	Reference Book Resources	Williams, B.K. & Sawyer, S.C. (2003)., *Using Information Technology : A Practical Introduction to Computers & Communications. Fifth Edition. New York. McGraw-Hill-Irwin*
		Tapscott, D. (1996)., *The Digital Economy: The Promise and Perils in the Age of Networked Intelligence. New York. McGraw-Hill*
		O'Brien, J.A. (1990)., *Management Information System: Managing Information Technology in the Networked Enterprise. 3rd edition U.S.A*
		Muhammad Rais Abdul Karim, Nazariah Mohd Khalid. (2003)., *E-Government in Malaysia. Selangor, Pelanduk Publication.*
		Martin, E.w.; Brown, C.V.; DeHayes, D.W.; Hoffer, J.A & Perkins, W.C. (2002)., *Manging Information Technology. 4th Edition. New Jersey. Prentice Hall.*
		Lucas, H.C. Jr. (2000)., *Information Technology for Management. 7th edition. U.S.A. McGraw-Hill.*
		Laudon, K.C. and Laudon, J.P. (2002)., *Management Information Systems: Managing The Digital Firm. 7th edition. New Jersey. Prentice-Hall.*
		Holtsnider, B. Jaffe, D. (2001), *IT Manager's Handbook : Getting Your New Job Done. San Francisco. Morgan Kaufmann*
		Haag, S. Cummings, M. mcCubbrey, J.(2004), *Management Information System for the Information Age. New York. McGraw-Hill*
		Fried, L. (1995)., *Managing Technology in Turbulent Times. New York. Wiley & Sons.*

Article/Paper List	This Course does not have any article/paper resources
Other References	This Course does not have any other resources