



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	<ul style="list-style-type: none"> Stair, R. Reynolds, G. (2004)., <i>Principles of Information System : A Managerial Approach</i>. 6th edition. Canada, Thomson Learning.
	Reference Book Resources	<ul style="list-style-type: none"> Williams, B.K. & Sawyer, S.C. (2003)., <i>Using Information Technology : A Practical Introduction to Computers & Communications</i>. Fifth Edition. New York. McGraw-Hill-Irwin Tapscott, D. (1996)., <i>The Digital Economy: The Promise and Perils in the Age of Networked Intelligence</i>. New York. McGraw-Hill O'Brien, J.A. (1990)., <i>Management Information System: Managing Information Technology in the Networked Enterprise</i>. 3rd edition U.S.A Muhammad Rais Abdul Karim, Nazariah Mohd Khalid. (2003)., <i>E-Government in Malaysia</i>. Selangor, Pelanduk Publication. Martin, E.w.; Brown, C.V.; DeHayes, D.W.; Hoffer, J.A & Perkins, W.C. (2002)., <i>Manging Information Technology</i>. 4th Edition. New Jersey. Prentice Hall. Lucas, H.C. Jr. (2000)., <i>Information Technology for Management</i>. 7th edition. U.S.A. McGraw-Hill. Laudon, K.C. and Laudon, J.P. (2002)., <i>Management Information Systems: Managing The Digital Firm</i>. 7th edition. New Jersey. Prentice-Hall. Holtsnider, B. Jaffe, D. (2001), <i>IT Manager's Handbook : Getting Your New Job Done</i>. San Francisco. Morgan Kaufmann Haag, S. Cummings, M. McCubbrey, J.(2004), <i>Management Information System for the Information Age</i>. New York. McGraw-Hill Fried, L. (1995)., <i>Managing Technology in Turbulent Times</i>. 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	