



University/Academy: Arab Academy for Science and Technology & Maritime Transport
Faculty/Institute: College of Computing and Information Technology
Program: Information Systems

Course title	Strategic Planning for IS
Course code	IS471

Form no. (11-A)

Knowledge and skills matrix for a course

Course content	Week study	Knowledge	Intellectual skills	Professional skills	General skills
<ul style="list-style-type: none"> The Evolving Role of IS/IT in Organizations : A Strategic Perspective 	1	<ul style="list-style-type: none"> Define information system and information technology and the difference between them. Identify the application portfolio models. Clarify The Relationship b/w Business, IS and IT Strategies. 	•	•	<p>G1. Demonstrate the ability to make use of a range of learning resources and to manage one's own learning.</p> <p>G7. Show the use of general computing facilities.</p>
<p>An overview of business strategy concepts & the is/it strategy implications</p>	2	<ul style="list-style-type: none"> Describe the Evolution of strategic planning in organizations. Explain the business planning process. Identify business planning tools & techniques. 	<ul style="list-style-type: none"> Analyze the Strategic framework. 	•	<p>G1. Demonstrate the ability to make use of a range of learning resources and to manage one's own learning.</p> <p>G7. Show the use of general computing facilities.</p>
<ul style="list-style-type: none"> Developing an IS/IT Strategy: Establishing Effective Processes 	3	<ul style="list-style-type: none"> Describe the evolution of IS/IT strategy process. List approaches to IS/IT strategy development. Explain Establishing an 	<ul style="list-style-type: none"> Identify barriers to IT/IS effectiveness. Analyze IS/IT strategy framework. 	•	<p>G1. Demonstrate the ability to make use of a range of learning resources and to manage one's own learning.</p>

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		IS/IT process. <ul style="list-style-type: none"> • Explain IS Strategy contents 			G7. Show the use of general computing facilities.
<ul style="list-style-type: none"> • IS/IT Strategic Analysis: Assessing and Understanding the Current Situation 	4	<ul style="list-style-type: none"> • Define Business re-engineering and IS strategy. • Identify IS/IT needs of the business strategy. • Explain IS/IT supply. 			G1. Demonstrate the ability to make use of a range of learning resources and to manage one's own learning. G7. Show the use of general computing facilities.
<ul style="list-style-type: none"> • IS/IT Strategic Analysis: Assessing and Understanding the Current Situation 	5	<ul style="list-style-type: none"> • Identify Criteria for effective planning. 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Apply Business strategic and IS/IT strategic analysis methods. 	G1. Demonstrate the ability to make use of a range of learning resources and to manage one's own learning. G7. Show the use of general computing facilities.
<ul style="list-style-type: none"> • Determining the Business Information Systems Strategy 	6	<ul style="list-style-type: none"> • Describe objectives in determining the IS/IT strategy. • List strategic planning techniques & their relationships. • Identify key business issues in IS/IT planning. • 	<ul style="list-style-type: none"> • Interpret main factors influencing balance of portfolio. • Identify how IS/IT could impact the strategy. 	<ul style="list-style-type: none"> • 	G1. Demonstrate the ability to make use of a range of learning resources and to manage one's own learning. G7. Show the use of general computing facilities.
7 th week Examination	7	<ul style="list-style-type: none"> • 			
Managing the Application Portfolio	8	<ul style="list-style-type: none"> • Describe how to manage the application portfolio. 	<ul style="list-style-type: none"> • Compare Applications in the Portfolio. 	<ul style="list-style-type: none"> • 	G1. Demonstrate the ability to make use of a range of learning resources and to manage one's own learning. <ul style="list-style-type: none"> • G7. Show the use of general computing

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					facilities.
<ul style="list-style-type: none"> • Strategic Management of IS/IT: Organizing and Resourcing 	9	<ul style="list-style-type: none"> • Define organizing strategies for IS/IT management. • 	<ul style="list-style-type: none"> • 	Apply Models and framework for guiding management action.	G1. Demonstrate the ability to make use of a range of learning resources and to manage one's own learning. <ul style="list-style-type: none"> • G7. Show the use of general computing facilities.
<ul style="list-style-type: none"> • Managing Investments in Information Systems and Technology 	10	<ul style="list-style-type: none"> • Describe evaluating IS/IT investments. • Explain the benefits management process • 	<ul style="list-style-type: none"> • Plan and Set priorities for applications. • Asses the investment risks. • 		G1. Demonstrate the ability to make use of a range of learning resources and to manage one's own learning. <ul style="list-style-type: none"> • G7. Show the use of general computing facilities.
<ul style="list-style-type: none"> • Strategies for Information Management: Towards Knowledge Management 	11	<ul style="list-style-type: none"> • Recognize the information culture. • Describe implementing business-wide information management. • Describe the practice of managing the information asset. • List policies and implementation issues. • 	<ul style="list-style-type: none"> • Identify Information as an asset. 		G1. Demonstrate the ability to make use of a range of learning resources and to manage one's own learning. <ul style="list-style-type: none"> • G7. Show the use of general computing facilities.
12 th week Examination	12	<ul style="list-style-type: none"> • 			
<ul style="list-style-type: none"> • Strategies for Information Management: Towards 	13	<ul style="list-style-type: none"> • Describe IT service strategies. • Identify types of IT service. • Describe application 			G1. Demonstrate the ability to make use of a range of learning resources and to manage one's own learning.

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Knowledge Management		development and provisioning strategies. <ul style="list-style-type: none"> • Clarify aligning the development approach to the applications portfolio. • Explain strategies for managing the IT infrastructure. • 			<ul style="list-style-type: none"> • G7. Show the use of general computing facilities.
<ul style="list-style-type: none"> • Managing the Supply of IT Services, Applications and Infrastructure 	14	<ul style="list-style-type: none"> • Describe technology strategies in a multi-business unit organization • List outsourcing strategies • Define guidelines for outsourcing decisions. • 	<ul style="list-style-type: none"> • Investigate linking the IT infrastructure with the business strategy. • Interpret Justification of infrastructure investments. • 		G1. Demonstrate the ability to make use of a range of learning resources and to manage one's own learning. <ul style="list-style-type: none"> • G7. Show the use of general computing facilities.
Revision	15	•			
Final Examination	16	•			

Course Instructor

Name:;

Signature:

Head of Department

Name:

Signature: