COURSE FILE SUMMARY

	Course Information					
College / Institute /	Management and	Department	Management			
Centre	Technology		Information Systems			
Programme Title	Bachelor of Business Administration	Programme Code	Ε			
Course Title	Intro. to Computer Programming	Course Code	<i>S225</i>			
# hours	2	2	3			
	Lecture	Lab/Tutorial	Credit			
Pre Requisites :	S121 Management Inf	formation System				

Course Aim

This course is the first step in problem solving and program design. It covers the software development methodology based on the system approach. the course uses a high level programming language (Ex. Java). the course emphasizes programming solutions for business related problems.

Course Objectives

To introduce the art and the science of problem solving and computer programming To apply the software development methodology based on the system approach To train student on using java programming language as a high level development pro

To train students on using java programming language as a high level development programming language

To provide the student with basic programming techniques and components including control structure and data structures

To train the student on developing computer solution for business related problems

Staff Requirements				
	Qualifications	Special Skills	Number	
Lectures	PhD in CS or MIS	Programming Logic	1	
Tutorials				
Laboratories / Workshops	BSc in CS or MIS	Programming Logic	1	

			Lecture Schedule			
Lecture		e				
#	Week	Hrs	Description			
1	1	2	Overview and history of Programming Languages and problem solving techniques.			
2	2	2	Program Structure			
3	3	2	Flowcharts notations and examples			
4	4	2	Flowchart example(Cont.)			
5	5	2	Introduction to the Java Programming Language			
6	6	2	Data Types			
7	7	2	Mid Term Exam			
8	8	2	Condition Statements (if - Switch)			
9	9	2	For Loops			
10	10	2	While Loops			
11	11	2	DoWhile Loops			
12	12	2	12th week Exam			
13	13	2	Arrays			
14	14	2	Methods			
15	15	2	Methods (Cont.)			
16	16	2	Final Exam			

	Text Books						
Code*		De	escription				
	Herbert, Schildt. , Java2 edition,ISBN 007224207	The	Complete	Reference,	Мс	graw-hill,5th	

Reference Books				
Code*	Description			
	H.M.Deitel and P.J. Deitel,Java2 How to Program ,Prentice Hall , 6th edition, ISBN 0131290142			

	Tutorial Schedule					
	Tutorial					
#	Week	Hrs	Торіс			
1	1					
2	2					
3	3					
4	4					
5	5					
6	6					
7	7					
8	8					

				Laboratory Workshop Schedule
Laboratory		,		
#	Week	Hrs.	Code	Description
1	2	2		An Overview of Programming Languages
2	3	2		Program Structure
3	4	2		Flowchart examples
4	5	2		Introduction to the Java Programming Language
5	6	2		Data Types
6	7	2		Mid Term Exam
7	8	2		Condition Statements (if - Switch)
8	9	2		Application of For Loops
9	10	2		Application of While Loops
10	11	2		Application of DoWhile Loops
11	12	2		Application of Arrays
12	13	2		Application of Arrays (Cont.)
13	14	2		Application of Methods
14	15	2		Application of Methods(Cont.)
15	16	2		Final Exam

Computer Usage

The computer is used in all lab sessions to apply the concepts gained through the lectures

Week #	Points	Written	Oral	Term Paper	Continuous	Computer Lab
7	30	30				
12	20	20				
1-15	10					10
16	50	40				

	Reading Material				
Code*		Description	า		
* TB : Te	ext Book	RB: Reference Book LN: Lecture Notes	ST: Standards / Codes		

Supplementary Material

Code*	Description
*PR: Period	lical SW: Software VT: Video Tape OS: Overhead Slide MD:
Model	AC: Audio Cassette
	Educational Resources

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Approved by :

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Designation		Design	ation	
Name	Dr. Medhat Fakhry	Name	Dr. Medhat Fakl	hry
Sign		Sign		
Date	5/2/2008	Date	5/2/2008	

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