COURSE FILE SUMMARY

Course Information			
College / ~~Institute / Centre~~	*Management and Technology*	**Department**	*Business Information Systems*
Programme Title	*Bachelor of Business Administration*	**Programme Code**	*ES,AS*
Course Title	*Application to Computer Prog.*	**Course Code**	*S315*
# hours	*2* **Lecture**	*2* **Lab/Tutorial**	*3* **Credit**
Pre Requisites :	*S225 Introduction to Computer Programming*		

Course Aim

This course is intended to enable students to design and implement business applications using the Java programming language. Java facilities addressed include object-oriented software structure, procedural program logic, and graphical user interfaces and internet programming.

Course Objectives

This course discusses the expectations that people have of software and introduces the techniques used to build and maintain software.

Staff Requirements

	Qualifications	**Special Skills**	**Number**
Lectures	*Ph.D. in CS or MIS*	*Programming Logic*	*1*
Tutorials			
Laboratories / Workshops	*Bsc.CS or Mis.*	*Programming Logic*	*1*

MPC3/2-1

Lecture Schedule

#	Week	Hrs	Description
	Lecture		
1	1	2	Java Overview/ Revision
2	2	2	Arrays and 2D arrays
3	3	2	Methods
4	4	2	Classes & Objects
5	5	2	Classes & Objects: A Deeper Look
6	6	2	Inheritance
7	7	2	Mid Term Exam
8	8	2	Polymorphism & Interfaces
9	9	2	Data Structures
10	10	2	Dynamic Data Structure & Recursion
11	11	2	Exceptions Handling
12	12	2	Graphical User Interface (GUI)
13	13	2	Accessing Databases with JDBC
14	14	2	Java Input and Outpu (Files and Streams)
15	15	2	Project Presentation
16	16	2	Final Exam

Text Books

Code*	Description
	Java2 How to Program ,H.M.Deitel and P.J.Deitel, Published by Prentice Hall , 6th edition

Reference Books

Code*	Description
	Herbert, Schildt. , Java2 The Complete Reference, Mc graw-hill,5th edition,ISBN 007224207

Tutorial Schedule

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

Laboratory Workshop Schedule

#	Week	Hrs.	Code	Description
1	2	2		*Java Overview/ Revision*
2	3	2		*Arrays*
3	4	2		*Methods*
4	5	2		*Classes & Objects*
5	6	2		*Classes & Objects: A Deeper Look*
6	7	2		*Inheritance*
7	8	2		*Polymorphism & Interfaces*
8	9	2		*Data Structures*
9	10	2		*Data Structure & Recursion*
10	11	2		*Exceptions Handling*
11	12	2		*GUI*
12	13	2		*Accessing Databases with JDBC*
13	14	2		*Files and Streams*
14	15	2		*Project Presentation*
15	16	2		*Project Presentation*

Computer Usage

PCs used to provide hands on practice for topics coverd in the lectures

Grading and Assessment Method

Week #	Points	Written	Oral	Term Paper	Continuous	Practical
7	30	*30*				
12	0					
1-15	30				*10*	*20*
16	40	*40*				

Reading Material

Code*	Description

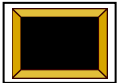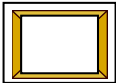* TB : Text Book   RB: Reference Book   ST: Standards / Codes
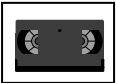LN: Lecture Notes

Supplementary Material

Code*	Description

*PR: Periodical   SW: Software   VT: Video Tape   OS: Overhead Slide   MD: Model   AC: Audio Cassette

Educational Resources

☐	☒	☐	☒	☐	☒	☐	☐	☐

Prepared by :   **Approved by :**

Designation   Designation

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Sign   Sign

Date   *16/8/2010*   Date   *16/8/2010*