

Kingdom of Saudi Arabia
The National Commission for Academic Accreditation & Assessment

224CIS-3
Visual Programming

Course Specification
Second Semester 2016-2017

B. Objectives

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C. Course Description (Note: General description in the form to be used for the Bulletin or handbook should

1. Topics to be Covered		
List of Topics	No. of Weeks	Contact Hours
1. Classes, Objects, Constructors AWT control fundamentals, Window fundamentals	1	
2. Review of OOP concepts Polymorphism, Inheritance, Access Control	1	
3. Package and Interface, Introduction to programming with Swing	1	
4. Understanding Layout Managers	1	
5. Revision in second session Event handling,	1	
6. Exam in first session	1	
7. Applet Class	1	
8. Menus, (Interactive GUI),, Dialog boxes, Data validation etc	1	
9. Understanding the client-server model of computing, Introduction to JDBC	1	
10. Data access in a Database application	1	
11. "User Interface design rules" basics	1	
12. Servlets: Introduction, Life cycle, Using Tomcat and exam in first session	1	
13. Publishing content on the web	1	

2. Course components (total contact hours and credits per semester):

	Lecture	Tutorial	Laboratory	Practical	Other	Total
Contact Hours						0
Credits						0

3. Additional private study/learning hours expected for students per week.

4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy

	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Method
1.0	Knowledge		
1.1	Not applicable to this course		
2.0	Cognitive		
2.1	Not applicable to this course		
3.0	Interpersonal		
3.1	Not applicable to this course		
4.0	Communication		
4.1	Not applicable to this course		
5.0	Psychomotor		
5.1	Not applicable to this course		

5. Schedule of Assessment Tasks for Students During the Semester

	Assessment task	Week Due	Proportion of Total Assessment
1.	Quiz 1		3 %
2.	Quiz 2		3 %
3.	Mid Term 1		16 %
4.	Mid Term 2		16 %
5.	Lab Performance and Exam		7 %
6.	Assignment		5 %
7.	Mid-Term Examinations		32 %
8.	Lab Final		10 %
9.	Final Examination		40 %

D. Student Academic Counseling and Support

1.

E. Learning Resources

1. List Required Textbooks - Java: The Complete Reference, Ninth Edition by Herbert Schildt, Oracle Press, Mc-Graw Hill Education (Publisher), 2014
2. List Essential References Materials (Journals, Reports, etc.) - Comprehensive version Introduction to Java Programming 7th Edition, Y. Daniel Liang, 2009
3. List Recommended Textbooks and Reference Material (Journals, Reports, etc.) -
4. List Electronic Materials (eg. Web Sites, Social Media, Blackboard, etc.) -

5. Other learning material such as computer-based programs/CD, professional standards or regulations and software.

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F. Facilities Required

Indicate requirements for the course including size of classrooms and laboratories (i.e. number of seats in classrooms and laboratories, extent of computer access etc.)

1. Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)

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2. Computing resources (AV, data show, Smart Board, software, etc.)

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3. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list)

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G. Course Evaluation and Improvement Processes

1. Strategies for Obtaining Student Feedback on Effectiveness of Teaching

Methods

Ways

Plan of Action

2. Other Strategies for Evaluation of Teaching by the Program/Department Instructor

3. Processes for Improvement of Teaching

4. Processes for Verifying Standards of Student Achievement (e.g. check marking by an independent member teaching staff of a sample of student work, periodic exchange and remarking of tests or a sample of assignments with staff at another institution)

5. Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement.

Teaching Staff : Mr. Mohammed Basit Kamal

Signature : _____

Date of Report Completed : 15-Jun-2017

Received by : _____

Dean/Department Head

Signature : _____

Date : _____

