

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

**446CIS-4**  
**Internet Applications Development**

**Course Specification**  
**First 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. Explores advanced and modern concepts and technologies used in the development of internet applications.	1	
2. Application development platform and Architecture, Distributed object technologies	1	
3. Client side programming such as HTML, CSS, JavaScript	1	
4. Client side programming such as HTML, CSS, JavaScript	1	
5. Client-side versus server-side technologies	1	
6. Server side database management such as MySQL	1	
7. Dynamic Web development Tools such as Ajax	1	
8. Service oriented Architectures (SOA)	1	
9. Server side scripting such as PHP	1	
10. Server side scripting such as PHP	1	
11. Enterprise application integration	1	
12. Data transformation and open source technologies	1	
13. E-business application installation and deployment issues.	1	
14. Review	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.	<input type="text"/>
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4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy
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	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Method
<b>1.0</b>	<b>Knowledge</b>		
1.1	Not applicable to this course		
<b>2.0</b>	<b>Cognitive</b>		
2.1	Not applicable to this course		
<b>3.0</b>	<b>Interpersonal</b>		
3.1	Not applicable to this course		
<b>4.0</b>	<b>Communication</b>		
4.1	Not applicable to this course		
<b>5.0</b>	<b>Psychomotor</b>		
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.	Assignment 1		2 %
4.	Assignment 2		2 %
5.	Mid Term 1		15 %
6.	Mid Term 2		15 %
7.	Lab Class Performance		5 %
8.	Lab Project Evaluation		5 %
9.	Lab Final Exam		10 %
10.	Final theory exam		10 %

#### D. Student Academic Counseling and Support

1.

#### E. Learning Resources

- List Required Textbooks  
- X. Bai, M. Ekedahl, J. Farrell, et al, The web warrior guide to Web Programming, Thomson, Course Technology, Latest Edition.
- List Essential References Materials (Journals, Reports, etc.)  
- H. M. Deitel, P. J. Deitel, Internet & World Wide Web How to Program, Prentice Hall, Latest Edition
- List Recommended Textbooks and Reference Material (Journals, Reports, etc)  
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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. -

#### 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.) -
2. Computing resources (AV, data show, Smart Board, software, etc.) -
3. Other resources (specify, e.g. if specific laboratory equipment is required, list requirements or attach list) -

#### 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 : Mohammad Gazi Golam Faruque**

Signature : \_\_\_\_\_

Date of Report Completed : 26-Jan-2017

Received by : \_\_\_\_\_

Dean/Department Head

Signature : \_\_\_\_\_

Date : \_\_\_\_\_

