



KINGDOM OF SAUDI ARABIA
 IMAM MOHAMMAD IBN SAUD ISLAMIC UNIVERSITY
 COLLEGE OF COMPUTER AND INFORMATION SCIENCES
 INFORMATION SYSTEMS DEPARTMENT
 BACHELOR IN INFORMATION SYSTEMS

المملكة العربية السعودية
 جامعة الإمام محمد بن سعود الإسلامية
 كلية علوم الحاسب والمعلومات
 قسم نظم المعلومات
 بكالوريوس نظم المعلومات

SYLLABUS

IS1372: Human Computer Interaction

CREDIT HOURS	3 credit hours (Lectures: 3)
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PREREQUISITE	IS1220 (Introduction to Databases)
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Instructor:
Contact information and office hours
Office No: To be announced (TBA)
Office Hours: TBA
E-mail: _____@imamu.edu.sa

COURSE DESCRIPTION
<p>Upon completion of this course, students will be able to learn the basic physiological, perceptual, and cognitive components of human learning and memory. gain theoretical knowledge of and practical experience in the fundamental aspects of designing and implementing user interfaces. learn to analyze interaction problems from a technical, cognitive, and functional perspective. develop an awareness of the range of general human-computer interaction issues that must be considered when designing information systems. learn about multimodal displays for conveying and presenting information</p>

COURSE LEARNING OUTCOMES (CLOs)		Aligned SOs
1	Knowledge and Understanding	
1.1	Define the human and computer components functions regarding interaction with computer and human.	1(I)
1.2	Demonstrate Understanding of Interaction between the human and computer components.	1(I)
1.3	Understand the theoretical concepts for analyzing observed problems in interfaces, models and frameworks from the field of HCI.	1(I)
1.4		



1.5		
2	Skills :	
2.1	Describe the interaction design process, and develop an understanding of different types of design rules that support the usability.	2(P)
2.2	Apply appropriate evaluation techniques in HCI and develop an understanding of universal design.	2(P)
2.3	Design the systems in deep to improve the skill of development of an existing system or a new system related to human computer interaction.	2(P)
2.4		
2.5		
3	Values:	
3.1	Function effectively on teams to accomplish a common goal.	5(P)
3.2	Communicate effectively in oral and written form	3(P)
3.3		
3.4		
3.5		

TEACHING Strategies

Lectures
Self-Learning

N o	List of Topics	Contact Hours	Self- Learning
1	Introduction and history of HCI	3	
2	The Human Component Functions.	3	
3	The Computer Component Functions	3	
4	Interaction and Ergonomics	3	
5	Interaction design basics	3	
6	The Process interaction Design	6	2
7	Methods for evaluating user interfaces	3	2
8	Universal Design	3	
9	Cognitive Models	6	2
10	Project discussions	3	
11			
12			
Total		36	6

TEXT BOOK



Preece, Jennifer, Helen Sharp, and Yvonne Rogers. Interaction design: beyond human-computer interaction. John Wiley & Sons, 2015.
Human Computer Interaction, Dix, J. Finlay, G. Abowd, and R. Beale, 3rd edition, Prentice Hall, 2004. ISBN 978-0130461094

REFERENCES
N/A

Course Assessment Methods			
No	Assessment Method	Due Week	% of Total Assessment
1	Quiz	4	10
2	Assignment	9	10
3	Midterm	7	20
4	Project / Lab Exam	11	20
5	Final Exam	13	40