Republic of Iraq
The Ministry of Higher Education
& Scientific Research

University: Anbar
College: CS & IT
Department: computer science
Stage: 4th year / 1st semester
Instructor name: Muzhir shaban mohammed
Academic status: prof.
Qualification: Ph.D.
Place of work: University of Anbar

Course Weekly Outline

Course Name : Mobile Computing I

Course Instructor	Shokhan Mahmoud Hama				
E-mail	Project.project88@yahoo.com				
’	Assist. Lecturor				
Course Coordinator	Shokhan Mahmoud Hama				
Course Objective	Provide students the fundamental aspects of Human Computer Interaction by applying mathematics and algorithms.				
Course Description	Fundamental course of Human Computer Interaction.				
Textbook	Richard Harper, Tom Rodden, Yvonne Rogers and Abigail Sellen, “Being Human: Human-Computer Interaction in the year 2020”, 2008.				
References	Alan Blackwell, Human Computer Interaction – Lecture Notes Cambridge Computer Science Tripos, Part II.2010.				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	20%	10%	10%	10%	50%
General Notes	The best method to teach this course it must be started in parallel with applications.				

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Course Weekly Outline

Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1	17/10/2015	The scope and challenges of HCI and Interaction Design.		
2	24/10/2015	Goals of Human–computer Interaction		
3	31/10/2015	Design principles		
4	07/11/2015	Curricula for Human-Computer Interaction		
5	14/11/2015	Field of HCI		
6	21/11/2015	Use and Context of Computers		
7	28/11/2015	HCI Architecture		
8	12/12/2015	Social Organization and Work		
9	19/12/2015	Mid Examine.		
10	26/12/2015	Inference-based approaches		
11	02/01/2015	Schematic drawings Technology		
12	09/01/2015	Design effective dialog for HCI.		
13	16/01/2016	Understand the importance of user feedback.		
14	23/01/2016	HCI: Looking Forward		
15	30/01/2016	Application Areas		

1 / 12 / 2015

Instructor Signature: **Dean Signature:**

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University: Anbar
College: CS & IT
Department: CS & IT
Stage: 4
Instructor name: Dr. Foad Salem
Academic status: Lecturer
Qualification: PhD
Place of work: Karkuk

Course Weekly Outline

Course Name : Object oriented Programming(2 course)

Course Instructor	Dr. Foad Salem Mubarek				
E-mail	Fualku1968@yahoo.com				
Title	OOP				
Course Coordinator	Dr. Foad Salem Mubarek				
Course Objective	Teaching the students the concepts of OOP by using C++ programming				
Course Description	Depending on the oop concepts the student able to create his / her user data unit. This approach facilitates solving the real life problems, so their skills improved.				
Textbook	Object-oriented Programming with C++ , E BALAGURUSAMY, McGraw-Hill				
References					
Course Assessments	TermTests	Laboratory	Quizzes	Project	Final Exam
	25%	15%	5%	5%	50%
General Notes					

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Course Weekly Outline

Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1		Operator Overloading	Exp. 1 with C++	
2		Overloading Unary Operators	Exp. 2	
3		Overloading binary Operators	Exp.3	
4		Inheritance	Exp4	
5		Single Inheritance	Exp5	
6		Multilevel Inheritance	Exp6	
7		Pointers to objects	Exp7	
8		Polymorphism	Exp8	
9		Virtual Function	Exp9	
10		I/O stream	Exp10	
11		Unformatteed I/O operations	Exp11	
12		Files in C++	Exp12	
13		Opening File	Exp13	
14		File Modes	Exp14	
15		Pointers to objects	Exp15	

Instructor Signature: **Dean Signature:**

Republic of Iraq
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University: Anbar
College: CS & IT
Department: computer science
Stage: 2nd
Instructor name: Ali j. Dawood
Academic status: Assist. Prof.
Qualification: Phd computer science
Place of work: Ar Ramadi

Course Weekly Outline

Course Name : Computational theory 1

Course Instructor	Assist. Prof. Dr. Ali Jbaeer Dawood				
E-mail	dralijd@yahoo.com				
Title	Assist. Prof.				
Course Coordinator					
Course Objective	This course covers the Theory of computation. Computation models: automata and formal languages. Practical consequences				
Course Description	Set notation, Definitions, Finite Automata (DFA, NFA), Regular Expression, Transition Graph, Kleens Theorem				
Textbook	Daniel L. A. Cohen, Introduction of the theory of computation.				
References	-Lewis, H.R. and Papadimitriou, Christos. 1998. Elements of the Theory of Computation. 2nd Edition. Prentice-Hall.				
Course Assessments	TermTests	Laboratory	Quizzes	Project	Final Exam
	Exam1=15% Exam 2=15%		10%	-	60%
General Notes					

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University: Anbar
College: CS & IT
Department:
Stage:
Instructor name:
Academic status:
Qualification:
Place of work:

Course Weekly Outline

Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1		Set notation, Definitions		
2		Regular Expression		
3		Regular Expression		
4		Finite Automata(F.A.)		
5		Finite Automata(F.A.)		
6		Transition Graphs		
7		Kleen theorm,		
8		Kleen theorm (part 2)		
9		Kleen theorm part 3		
10		DFA, NFA		
11		F. A. with output (Moore machine) (Mo)		
12		F. A. with output (Mealy machine) (Me)		
13		Converting from (Mo) to (Me) and vice versa		
14		Chomsky hierarchy language,		
15		Grammar(PSG, CSG, CFR, FSG)		

Instructor Signature: **Dean Signature:**

Republic of Iraq
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University: Anbar
College: CS & IT
Department:
Stage: 2nd
Instructor name:SuhailM.Ali
Academic status: teacher
Qualification: Msc
Place of work: Anbar

Course weekly Outline

Course Name :Advanced Mathematics

Course Instructor	Suhail M. Ali				
E-mail	Suhael1958@yahoo.com				
Title	Advanced Mathematics				
Course Coordinator	15 weeks				
Course Objective	Strengthen essential advanced mathematic phenomena's				
Course Description	Advanced Mathematic for 2st stage collage				
Textbook	Calculas , Thomas ,1990,5th edition				
References	Calculas Anton ,2002 2nd edition				
Course Assessments	TermTests	Laboratory	Quizzes	Project	Final Exam
	As (30 %)	.....	(10%)	----	60%
General Notes					

Republic of Iraq
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University: Anbar
College: CS & IT
Department:
Stage:2nd
Instructor name:SuhailM.Ali
Academic status:teacher
Qualification:Msc
Place of work:Anbar

Course Weekly Outline

Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1	1-11-2015	Introduction to advance math	……	...
2	7-11	Direct integration	……	...
3	14-11	Exercises	……	...
4	20-11	Variable separable	……	...
5	27-11	Ex	……	...
6	2-12	Homogeneous	……	...
7	9-12	ex	……	...
8	16-12	Linear 1st order	……	...
9	23-12	ex	……	...
10	30-12	Other types of 1st order	……	...
11	6-1-2016	ex	……	...
12	13-1	Bernoulli Linear 1st order	……	...
13	20-1	ex	……	...
14	25-1	review	……	...
15	1-2	ex	……	...
16	10-2	exams	……	...

Instructor Signature: **Dean Signature:**

Republic of Iraq
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University: Anbar
College: CS & IT
Department: computer science
Stage: second
Instructor name: فلذ منصور
Academic status:
Qualification:
Place of work:

Course Weekly Outline

Course Name :First course

Course Instructor	فلذ منصور محمد				
E-mail	falathm@yahoo.com falath2@gmail.com				
Title	Data structure				
Course Coordinator					
Course Objective					
Course Description	Give student overview about data structure and how they used to save data in it and deferent between they.				
Textbook	هياكل البيانات ، عصام الصفار				
References					
Course Assessments	TermTests	Laboratory	Quizzes	Project	Final Exam
	(20%)	(10%)	(10%)	(10%)	(50%)
General Notes					

Republic of Iraq
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University: Anbar
College: CS & IT
Department: Computer science
Stage: second
Instructor name: Falth Mansour
Academic status: Assist.Instructor
Qualification: Computer Science.Mster
Place of work: Anbar University

Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1		Define data structure , syllabus , Resources		
2		Introduction , Data structure , Type of data structure ,Selection of data structure		
3		Array , Representation of one dimensional array , Representation of two dimensional array		
4		EXAM		
5		Linear list , Type of linear list , Stack, Array representation of stack		
6		Record representation of stack, Stack's Application		
7		Queue, Array representation of queue, Queue `s algorithms		
8		Queue's Subprograms, Record Representation of Queue, Queue's Applications		
9		(Circular Queue(CQ		
10		حل بعض اسئلة ومشكال متعلقة بالفصل		
11		linked structures, storage allocation, sequential storage allocation, dynamic storage allocation		
12		(Pointers, linked list(I		
13		linked stack, linked queue		
14		circular linked list, double linked list		
15		EXAM		

Instructor Signature: **Dean Signature:**