Course Specifications (2011 - 2012)

A. Basic Information

Total Qualiy Management

Course Title			ngineering	agement	Course Code:	CVS 415	٦
Lecture:		Tutorial:	<u> </u>	Practical	0	Total	0
Programme (s)	on which this c	ourse is given:			B.Sc. Civil Engineerin	g (Structures)	
Major or minor	element of prog	ıram:		Major			_
Department off	ering the progra	ım:		Civil Engine	ering		
Department off	ering the course	e:		Civil Engine	ering		
Academic Year	of program:	Fourth		Level of prog	ram:	First Semester	
Date of specific	cations approva	:			16/3/2010		_
			B. Profession	al Information			
1. Overall aim							
By the end of the	ne course the st	udents will be able	e to:				
The student sh	ould be able to	aquire all skills of	Total Quality Mai	nagement and I	SO		
	_	es of Course (ILC	Os)				
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		of solving engined			nd safety requirement	s and environmental	-
		gement principles			na daroty roquiromoni	o and onvironmental	-
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b. Intellect							_
b.16) Define, p	lan, conduct and	d report managem	ent techniques.				

b.17) Assess and evaluate different techniques and strategies for solving engineering problems.
b.3) Think in a creative and innovative way in problem solving and design.
c. Professional and Practical Skills
c.2) Professionally merge the engineering knowledge, understanding, and feedback to improve design, product and/or services.
c.9) Demonstrate basic organizational and project management skills.
c.11) Exchange knowledge and skills with engineering community and industry.
d. General and Transferable Skills
d.1) Collaborate effectively within multidisciplinary team.
d.3) Communicate effectively.
d.5) Lead and motivate individuals.

3. Contents

Week #	Topics	No. of Hours	ILOS	Teaching / learning methods and	Assessment method
1 1	Inroduction To Total Quality Management	4	a5	Lectures	Assignments
			b17	Class activity	Quiz
			c2	Case study	
			d1		

			a5	Lectures	Assignments
2	Principals Of Development of a	4	b17	Class activity	Quiz
2	Quality Council		c2	Case study	
			d1		
			a5	Lectures	Assignments
3	Vision Statement, Mission	4	b17	Class activity	Quiz
3	Statement and Ethics	4	c2	Case study	
			d1		
			a6	Lectures	Assignments
4	Customer Perception of Quality	4	b16	Class activity	Quiz
4	and Herzberg theory	4	с9	Case study	
			d3		
			a6	Lectures	Assignments
5	Employee Involvement and	4	b16	Class activity	Quiz
5	Role		с9	Case study	
			d3		
		4	a6	Lectures	Assignments
6	Types of Teams and Problems		b16	Class activity	Quiz
O	involved in team work		с9	Case study	
			d3		
		4	a5	Lectures	Assignments
7	Definition of a process		b17	Class activity	Quiz
1	Definition of a process		c2	Case study	
			d1		
0	NA: No				
8	Midterm Exam				
			a6	Lectures	Assignments
•	Times of process Disklains		b16	Class activity	Quiz
9	Types of process Problems	4	с9	Case study	
			d3	<u> </u>	

10	Improvement Strategies of a	4	b17	Class activity	Quiz
	Process	4	c2	Case study	
			d1		
			a7	Lectures	Assignments
11	Supplier Selection and	4	b3	Class activity	Quiz
''	certification	4	c11	Case study	
			d5		
			а7	Lectures	Assignments
12	Statistical Process	4	b3	Class activity	Quiz
12	Control(SPC)	4	c11	Case study	
			d5		
			a7	Lectures	Assignments
13	Statistical Process	4	b3	Class activity	Quiz
	Control(SPC)	4	c11	Case study	
			d5		
			a7	Lectures	Assignments
14	ISO	4	b3	Class activity	Quiz
14	130	4	c11	Case study	
			d5		
			а7		
15	Final Exam	3	b3		
	I mai Laam		c11		
		55	d5		
	Total				

4- Teaching and Learning Methods: Check using the symbol √

Check using the symbol

√ Lectures

Practical training / laboratory

Seminar / workshop

√ Class activity

√ Case study

Project work

√ Tutorial

Computer based work
Other:

5- Student Assessment Methods:

Check using	<u>th</u> e symbol √	
	Assignments	to assess
	Quiz	to assess
V	Mid-term exam	to assess

V	Assignments	to assess
$\sqrt{}$	Quiz	to assess
$\sqrt{}$	Mid-term exam	to assess
	Oral exam	to assess
V	Final exam	to assess
	Design Project	to assess
	Report	to assess
	Experimental write up	to assess
	Informally assessment	to assess
	Other	to assess

a5,a6,a7	b3,b16,b17	c2,c9,c11	d1,d3,d5
a5,a6,a7	b3,b16,b17	c2,c9,c11	d1,d3,d5
a5,a6,a7	b3,b16,b17	c2,c9,c11	d1,d3,d5
a5,a6,a7	b3,b16,b17	c2,c9,c11	d1,d3,d5

6. Assessment schedule

Assessment 1 Assignments on weeks
Assessment 2 Quizzes on weeks

Assessment 3 Mid-term exam on week

Assessment 4 Oral Exam on week

Assessment 5 Final exam on week

Assessment 6 Design Project on weeks

Assessment 7 Report on weeks

Assessment 8 Experimental write up on weeks

Assessment 9 Informally assessment

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7. Weignting of Assessment	S
Assignments	5%
Quiz	5%
Mid-term exam	20%
Oral exam	
Final exam	70%
Design Project	
Report	
Experimental write up	
Informally assessment	
Other	

lotal	100%		
8. List of References			
8.1 Course Notes			
Hand outs from lecturer			
8.2 Essential Books (Text	: Books)		
TQM Science			
Micro Management Scien	ce		
8.3 Recommended Books	3		
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8.4 Periodicals Web sites	s, etc		
9. Facilities Required for	Teaching and learni	ng	
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Course Coordinator:	Associate Prof. Amr Ali Gamal AlDin Mohamed		
Course instructor:	Associate Prof. Amr Ali Gamal AlDin Mohamed		
Head of department:	Prof. Ahmed AdbulFattah Mahmoud Ahmed		
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Signature:	D	M	Υ
Date:	6	1	2011