

Faculty of Engineering & Technology

Special Reinforced Concrete Structures 1

Information	<u>.</u>					
Course Cod	e: SCM 592	Level	:	Undergraduate	Course Hours :	3.00- Hours
Department	: Department of Structur	ral Engineer	ing	& Construction Mana	agement	
Area Of Stu	<u>dy :</u>					
- Understan	ssful completion of this cou d the basic concepts and m he values of the essential to re-cast concrete elements	ain principle erms	S		lls & domes folded plat	es
Description	:					
Pre-cast cor	ncrete elements, Design of	reinforced co	onci	rete walls, Pile caps,	High-rise buildings.	
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Course outo						
a.Knowledge and Understanding: :						
1 -	List the main items of pre-cast concrete elements					
2 -	Define the main terms of reinforced concrete wall bearing					
3 -	3 - Describe the main concept of shells & domes					
b.Intellectual Skills: :						
1 -	Design the elements of reinforced concrete wall bearing					
2 -	Analyze the system of shells & domes					
3 -	3 - Design the elements of folded plates					
c.Professional and Practical Skills: :						
1 -	Prepare technical reports for pre-cast concrete elements					
2 -	Apply Code provisions regarding reinforced concrete wall bearing					
3 -	Draw neat details of shells & domes					
4 -	Draw neat details of folded	plates				
d.General and Transferable Skills: :						
1 -	1 - Search for information and self-learning discipline					

Course Topic And Contents :			
Торіс	No. of hours	Lecture	Tutorial / Practical
Pre-cast concrete elements	16	12	4
Reinforced Concrete wall bearing	12	9	3
shells & domes	16	12	4



Course Topic And Contents :			
Торіс	No. of hours	Lecture	Tutorial / Practical
folded plates	12	9	3
Revision	4	3	1

Teaching And Learning Methodologies :	
Interactive Lec.	
Discussion	
Problem Solving	
Report / Present.	

Course Assessment :			
Methods of assessment	Relative weight %	Week No	Assess What
Final exam	40.00		
First Mid Term Exam	15.00		
Quizzes / Assig.	15.00		
Report / Present	15.00		
Second Mid Term Exam	15.00		

Course Notes :	
Lecture Notes on Moodle	

Recommended books :

" Design of reinforced concrete structures" Vol. 3-ÉDr. Mashhour Ghoniem- El-Mehilmy- Cairo University.