

**Faculty of Engineering & Technology**  
**Applied Topics In Construction Engineering**

**Information :**

**Course Code :** SCM 551      **Level :** Undergraduate      **Course Hours :** 3.00- Hours

**Department :** Department of Structural Engineering & Construction Management

**Instructor Information :**

Title	Name	Office hours
Professor	Ibrahim Abdel Rashid Nosier Tony	20
Professor	Ibrahim Abdel Rashid Nosier Tony	20
Assistant Lecturer	Reham Milad Kamel Samaan	
Teaching Assistant	Ahmed Salah Rashad Ahmed Abdelhakk	
Teaching Assistant	Abdallah Awany abdel Salam Abo el Khair El megarbel	4

**Area Of Study :**

Upon successful completion of this course, the student should be able to:

- Understand the basic concepts and main principles
- Calculate the values of the essential terms

Regarding construction contracts local laws FIDIC contracts bidding process clams

**Description :**

Using computer in project planning and cost estimate, Application on a real project and submitting a report at the end of the semester.

**Course outcomes :**

**a. Knowledge and Understanding: :**

1 -	List the main items of construction contracts
2 -	Describe the main concept of local laws
3 -	Explain the principals of FIDIC contracts
4 -	Define the main terms of bidding process

**b. Intellectual Skills: :**

1 -	Assess issues of construction contracts
2 -	Solve problems regarding bidding process
3 -	Assess issues of clams

**c. Professional and Practical Skills: :**

1 -	Prepare technical reports for local laws
2 -	Prepare technical reports for FIDIC contracts
3 -	Prepare technical reports for clams

**d.General and Transferable Skills: :**

1 - Work in a team

**Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
Construction contracts	12	9	3
Local laws	12	9	3
FIDIC contracts	12	9	3
Bidding process	12	9	3
Clams	8	6	2
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		
Mid-term Exam 1	15.00		
Mid-term Exam 2	15.00		
Quizzes / Assignments	15.00		
Report / Presentation	15.00		

**Course Notes :**

Student Lecture Notes

**Recommended books :**

"Construction Management Jump Start" 2nd edition, Jacson, Barbara J., 2010