

**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 Mahmoud Mahdi Mostafa	2
Professor	Ibrahim Mahmoud Mahdi Mostafa	2
Assistant Lecturer	Ahmed Salah Rashad Ahmed Abdelhakk	
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**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