



#### **b.Intellectual Skills: :**

1 -	b1. Analyze solution problems related to building constructions.
2 -	b2. Derive different solutions in solving architectural problems related to building constructions with emphasis on working details.
3 -	b3. Appraise alternative architectural and structural systems with reference to building constructions.
4 -	b4. Design assembly details of multi construction components of multi manufacturers.

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

1 -	c1. Draw construction detailing drawings.
2 -	c2. Write detailed and professional item specifications.
3 -	c3. Apply CAD standards in construction drawings.
4 -	c4. Utilize new techniques used in materials and working details.

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

1 -	d1. Managing time to meet deadlines.
2 -	d2. Work within constraints of time.
3 -	d3. Refer to data sources.

#### **Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
Preparation of working drawings of a pre-designed project	6	2	4
Integration between Architectural, Civil, & Electromechanical drawings.	12	4	8
Introduction to technical specifications	6	2	4
Detailing the execution and construction drawings	12	4	8
Midterm Exam, Revision	6	2	4
Introduction to Detailing concepts	6	2	4
Introduction to function of materials in design	6	2	4
Rules of writing the technical specifications	12	4	8
Integration between Architectural, Civil, & Electromechanical technical specifications.	6	2	4
Coordination Skills & techniques to manage Architectural, Civil, & Electromechanical drawings.	6	2	4
Final project	12	4	8
Introduction to Preparation of integrated execution drawings for projects	6	2	4

#### **Teaching And Learning Methodologies :**

Lectures.
One to One Discussion
Project based teaching
Research

### Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Assignments/Lab work	20.00		
Final examination.	40.00		
Midterm 1	15.00		
Midterm 2	15.00		
Participation	10.00		

### Course Notes :

Presentations  
Handouts (Moodle)