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Department of Civil Engineering

Building Construction Lab. (61305)

Total Credits	1

major compulsory

Prerequisites	P1 : Building Construction (61304) P11Synch. : Building Construction (61304)

Course Contents

Practical drawing applications for various exercises related to building construction.

	Intended Learning Outcomes (ILO's)	Student Outcomes (SO's)	Contribution
1	To apply knowledge of Engineering Drawing, and its relations with other Sciences and Arts.	A	45 %
2	To be able to identify, formulate and solve engineering and structural problems.	E	30 %
3	An ability to use the techniques, skills , and tools necessary to produce high quality drawings and details.	A	10 %
4	To be able to communicate effectively with others, using drawings sketches and projects.	G	10 %
5	An understanding of professional and ethical responsibility .	F	5 %

Textbook and/ or Refrences

Barq, N. Building Construction Drawing Manual, An-Najah National University, 2013.

Assessment Criteria	Percent (%)
Laboratory Work	60 %
Final Exam	40 %

Course Plan

Week	Topic
1	Site plans
2	Arch. Plans
3	Center lines plans
4	Footing plan
5	Footing structural details
6	tie beams details
7	column details
8	Roof reinforcement plan.
9	Beams structural details (x- sections)
10	Structural details of stairs.
11	Structural details of retaining walls
12	x- section of ground floor
13	x- section of masonary walls
14	Reinforcement of stair case roof