

CB221 Construction Eng. Drawings

COURSE INFORMATION

Prerequisites	Academic Year & Level		Teaching Methods			Credit Hrs.
	Year	Semester	Lecture	Tutorial	Laborator y	
ME151	2	3	2	4	0	3

COURSE AIM

The aim of this course to introduce the student with the knowledge of construction engineering drawings.

COURSE WEEKLY CONTENTS

- 1 Construction industry: Various methods of brick bonds
- 2 Construction industry: Various methods of brick arches
- 3 Stepped retaining walls
- 4 Plain concrete retaining walls
- 5 Earth work (Canals)
- 6 Earth work (Roads)
- 7 Stairs + Midterm Exam
- 8 Residential and Commercial buildings
- 9 Residential and Commercial buildings (Cont.)
- 10 Steel drawings and construction steel truss (Angles)
- 11 Steel truss (Hollow section)
- 12 Column Base
- 13 Transportation systems (Timber bridge)
- 14 Transportation systems (Reinforced concrete bridge)
- 15 Transportation systems (Steel bridge)

STUDENT GRADING & ASSESSMENT

Weeks	Exams	Assign.	Quizzes	Reports	Present.	Lab.	Total
1 to 7	20 Midterm	←	1 0	M A R K S		→	30
To be freely distributed among possible assessments							
8 to 12	←		2 0	M A R K S		→	20
13 to 15	←		1 0	M A R K S		→	10
16 or 17	40 Final						40
Total	Exams	Assign.	Quizzes	Reports	Present.	Lab.	100

REFERENCES

Textbook Construction Engineering Drawings, S.Ibrahim, Arab Academy for Science, Technology and Maritime Transport, Egypt, 2005

Other Standard Handbook for Civil Engineers by Merritt, F.S. Publisher: McGraw Hill Book Co., New York, 1983. Civil Engineering Drawings by Abd El-Rehim, M., and Mostafa, M.R. Publisher: Dar El-Rateb El-Jamiaah, Beirut, Lebanon, 1984.