

1.10 Semester 10

CB519 Construction Project Management II

COURSE INFORMATION

Prerequisites	Academic Year & Level		Teaching Methods			Credit Hrs.
	Year	Semester	Lecture	Tutorial	Laborator y	
CB516 CB415	5	10	2	2	0	3

COURSE AIM

The course aims at introducing the student to the basic concepts of special topics in construction management.

COURSE WEEKLY CONTENTS

- 1 Feasibility studies: marketing; technical; environmental; and economic/financial.
- 2 Economic evaluation of public projects.
- 3 Value Engineering.
- 4 Building Information Modeling.
- 5 Probabilistic scheduling (PERT).
- 6 Cost-Time relation and schedule compression.
- 7 Midterm Exam
- 8 Line of Balance.
- 9 Types of schedules and practical scheduling issues.
- 10 Introduction to project Delay Analysis Methods.
- 11 Health & safety management system.
- 12 12th week Assessment
- 13 Risk management.
- 14 Sustainable construction & sustainability performance models.
- 15 Advanced topics in construction project management.

STUDENT GRADING & ASSESSMENT

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

REFERENCES

Textbook Construction Project Management: An Integrated Approach, Peter Fewings, Routledge, 2012.

Other Guide to the Project Management Body of Knowledge (PMBOK), Project Management Institute, 2004.
Project Administration by Fisk, R., 2003.
Risk: In Construction Projects, Smith, N., Merna, T., and Jobling, P, Blackwell Publishing, UK, 2006
Management, Halpin, D. W., John Wiley and Sons, 2005.
Construction: Green Building Design and Delivery, Kibert, C., Wiley, 2005.
Management for Construction, LEVY S.M., McGraw Hill Inc., N.Y., USA, 2002.