

CB326 Building Information Modeling

COURSE INFORMATION

Prerequisites	Academic Year & Level		Teaching Methods			Credit Hrs.
	Year	Semester	Lecture	Tutorial	Laborator y	
CB221	3	5	4	0	4	3

COURSE AIM

To enable the student to develop the necessary knowledge and skills for building information modeling (BIM) in construction applications.

COURSE WEEKLY CONTENTS

- 1 Introdcion to BIM and application in Construction Industry
- 2 Staring the BIM design and loading additional building components
- 3 Developing the BIM and using dimensions and constraints
- 4 Creating basic building and structural components
- 5 viewing and presenting the model
- 6 detailing, drafting and clash detection
- 7 Midterm Exam
- 8 massing studies
- 9 creating documentations strandards
- 10 Creating BOQ and schedules
- 11 12th week Assesment
- 12 Templates and file management
- 13 project collaboration and work sharing
- 14 Working with families
- 15 Term Project seminar

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	Vandezande, J. Krygiel, E., and Dillion, B. (2016) Mastering Autodesk Revit Architecture 2016: Autodesk Official Press, 1 st Ed., Sybex
Other	Hardin, B. and McCool, D. (2016) BIM and Construction Management: Proven Tools, Methods, and Workflows, 2 nd Ed., Wiley.