

Course Policy, Procedures, and Syllabus

Building Construction Program, Georgia Institute of Technology

Course Title:	Construction Management
Course No:	BC ??????
Prerequisites:	None
Semester/Year:	Fall 2007
Instructor(s):	Joseph Marinaccio, P.E., CCM
Assistant (if any):	N/A
Office:	College of Architecture Annex (Building Constructing/GIS Building)
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Office Hours:	By Appointment
Required Textbooks:	<u>Construction Project Management</u> , 2 nd edition, Frederick E. Gould, Nancy E. Joyce, Prentice Hall, 1992 ISBN 0-13-048054-1
Recommended Readings:	<u>Fundamentals of Building Construction</u> , 4 th edition, Edward Allen & Joseph Iano, John Wiley & Sons, 2004 ISBN 0-471-21903-7
Course Description, Goal, and Objectives:	<p>An introductory course on construction management for building construction projects. The Goals & Objectives are as follows:</p> <ol style="list-style-type: none"> 1. To achieve a basic understanding of construction management. 2. To develop a basic understanding of all the phases of a typical construction project: Planning, Design, Procurement, Construction, Close out. 3. To become familiar with the different forms of construction contracts and types of Construction Management arrangements. 4. To develop a basic understanding of design and construction terms and definitions.

Assignment and Evaluation:

Final grades will be based on an aggregate point total for exams, homework, papers, quizzes, classroom participation, and/or projects. **Grades will be curved to provide a balance of intellectual challenge and academic reward.** Course grading is as follows:

A	B	C	D	F
90% and above	80%-89%	70%-79%	60%-69%	<60%

Points: The following table summarizes the points for this course. Group presentations will be graded for the entire group, and evaluation of individual team members will become part of the final grade. Make-up exams/presentations are not allowed for any reason. All homework, projects, tests and exam grades will become final one week after they are returned in class. Class participation (discussion and quizzes) will contribute to the final grade. The final exam and project presentation/report are comprehensive.

	Points	Percent
Homework	100	10

Class Attendance and Participation	150	15
Chapter Quizzes	150	15
Mid Term Exam	150	15
Individual Project Presentation/Report	100	10
Group Project Presentation/Report	150	15
Final Exam	200	20
TOTAL	1,000	100%

Course Syllabus

Class	Date	Topic or Subject	Text/Topic/Reading Assignments	Professor/ Guest Speaker	Homework/Project Due Date	Other
1	Aug 22	<ul style="list-style-type: none"> ➤ Class Overview ➤ Introduction ➤ Team Building Exercises 		Marinaccio		
2	Aug 29	<ul style="list-style-type: none"> ➤ The Construction Industry ➤ Project Participants ➤ Site work & Foundations 	<ul style="list-style-type: none"> ➤ Chapter – 1 ➤ Chapter – 2 	Marinaccio	<ul style="list-style-type: none"> ➤ Chapter Review Questions (CRQ) & Ex. 2 ➤ CRQ & Ex. 1 	
3	Sept 5	<ul style="list-style-type: none"> ➤ Organizing and Leading the Construction Project ➤ Steel Construction 	<ul style="list-style-type: none"> ➤ Chapter – 3 	Marinaccio	<ul style="list-style-type: none"> ➤ CRQ 	
4	Sept 12	<ul style="list-style-type: none"> ➤ Project Delivery Methods ➤ Concrete Construction 	<ul style="list-style-type: none"> ➤ Chapter – 4 	Marinaccio	<ul style="list-style-type: none"> ➤ CRQ & Ex. 2a 	
5	Sept 19	<ul style="list-style-type: none"> ➤ Project Chronology ➤ Precast Construction ➤ Individual Project Presentation (group 1) 	<ul style="list-style-type: none"> ➤ Chapter – 5 	Marinaccio	<ul style="list-style-type: none"> ➤ CRQ & Ex. 2d 	
6	Sept 26	<ul style="list-style-type: none"> ➤ Construction Services During Design ➤ Masonry ➤ Individual Project Presentation (group 2) 	<ul style="list-style-type: none"> ➤ Chapter – 6 	Marinaccio	<ul style="list-style-type: none"> ➤ CRQ & Ex. 1 	
7	Oct 3	<ul style="list-style-type: none"> ➤ Bidding and Procurement ➤ Individual Project Presentation (group 3) 	<ul style="list-style-type: none"> ➤ Chapter – 7 	Marinaccio	<ul style="list-style-type: none"> ➤ CRQ 	
8	Oct 10	<ul style="list-style-type: none"> ➤ Mid-Term Exam 		Marinaccio		
9	Oct 17	<ul style="list-style-type: none"> ➤ Exam Review ➤ Construction and Closeout ➤ Roofing & Glazing 	<ul style="list-style-type: none"> ➤ Chapter – 8 	Marinaccio	<ul style="list-style-type: none"> ➤ CRQ & Ex. 1 	
10	Oct 24	<ul style="list-style-type: none"> ➤ Estimating Project Costs ➤ Cladding System 	<ul style="list-style-type: none"> ➤ Chapter – 9 	Marinaccio	<ul style="list-style-type: none"> ➤ CRQ & Ex. 1 	
11	Oct 31	<ul style="list-style-type: none"> ➤ Project Planning and scheduling 	<ul style="list-style-type: none"> ➤ Chapter – 10 	Marinaccio	<ul style="list-style-type: none"> ➤ CRQ & Network 	

		➤ HVAC Systems			assignment	
12	Nov 7	➤ Controlling Project Cost, Time and Quality ➤ Electrical Systems	➤ Chapter – 11	Marinaccio	➤ CRQ	
13	Nov 14	➤ Job Site Administration ➤ Interior Finishes	➤ Chapter – 12	Marinaccio	➤ CRQ	
14	Nov 21	➤ No Class "Thanksgiving Holiday"				
15	Nov 28	➤ Construction Law ➤ Construction Safety and Health	➤ Chapter – 13 ➤ Chapter – 14	Marinaccio	➤ CRQ & Ex. 1 ➤ CRQ & Ex. 2a, 2b	
16	Dec 5	➤ Group Project Presentations		Marinaccio		
17	Dec 12	➤ Final Exam		Marinaccio		