

Fall 2018

CE 616-851: Construction Cost Estimating

Rick Baptista

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New Jersey Institute of Technology
Department of Civil and Environmental Engineering

CE 616 Construction Cost Estimating
Section: 851

Fall 2018

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Text: Estimating In Building Construction, Eighth Edition, Frank R. Dagostino and Steven J. Peterson
Published By: Prentice Hall

Prerequisites: CE 610

Useful Websites: enr.com
 Industrialinfo.com
 Construction.com/dodge

Course Outline

<u>Week No.</u>	<u>Topics</u>	<u>Chapters</u>
1	Introduction to Estimating Contract Documents	1
2	Contracts, Bonds, Insurance Project Manual	2 3
3	Estimate Quantity Takeoff	4-8
4	Excavation	9
5	Masonry Metal Wood Assignment of Project Bid	11 12 13

6	Concrete Concrete Estimating	10
7	Thermal and Moisture Protection Doors and Windows Finishes	14 15 16
8	Midterm	
9	Anatomy of a Construction Project Construction Cycle Types of Construction Projects Types of Construction Users	
10	Scheduling	
11	Mechanical Insulation Estimating HVAC/Plumbing Industrial Equipment	
12	Value Engineering	
13	Business Development in the Construction Industry Marketing Plan Project ID Prequalification Developing Relationships	
14	Projects Due	
15	Final	

Homework will be assigned weekly and expected to be submitted on Moodle by the next Sunday at 6PM.

Bid Proposal Project will be assigned and explained in Week 6 and is to be submitted on Moodle by the bid date given.

Attachments should be in PDF format.

For Midterm and Final Exams, you will have one opportunity to take each test during the days listed. You will have 2.5 hours to take each exam.

Grading

Homework	25%
Midterm	25%
Project	25%
Final	25%