

Spring 2021

CE 616-852: Construction Cost Estimating

Godson Oraedu

Follow this and additional works at: <https://digitalcommons.njit.edu/ce-syllabi>

Recommended Citation

Oraedu, Godson, "CE 616-852: Construction Cost Estimating" (2021). *Civil and Environmental Engineering Syllabi*. 530.

<https://digitalcommons.njit.edu/ce-syllabi/530>

This Syllabus is brought to you for free and open access by the NJIT Syllabi at Digital Commons @ NJIT. It has been accepted for inclusion in Civil and Environmental Engineering Syllabi by an authorized administrator of Digital Commons @ NJIT. For more information, please contact digitalcommons@njit.edu.

NEW JERSEY INSTITUTE OF TECHNOLOGY
Department of Civil &
Environmental Engineering

CE 616 CONSTRUCTION COST ESTIMATING
COURSE SYLLABUS
SPRING 2021

Time **Online – CE 616 Tier 852**
Instructor **Adj. Prof. Godson Oraedu**
Textbook **Estimating in Building Construction, 9th Edition - *Steven Peterson & Frank***
 Dagostino (Pearson)

oraedu@njit.edu **Email**
973-568-3715 **Tel.**

Course Outline

Session	Topic	Chapter
Week 1 (1/19 to 1/25)	Welcome, Introduction to Estimating and Contract Procurement	1, 2, 4
Week 2 (1/26 to 2/01)	Project Scheduling and the Bid Documents	3, 6
Week 3 (2/02 to 2/08)	Sitework & Bulk Excavation	10
Week 4 (2/09 to 2/15)	Concrete, Foundations and Masonry Systems	11, 12
Week 5 (2/16 to 2/22)	Metals and Structural Steel	13
Week 6 (2/23 to 3/01)	Wood Framing, Rough and Finish Carpentry and Millwork	14
Week 7 (3/02 to 3/08)	Roof System, Thermal Insulation, Windows and Doors. - Term Project release (for bid proposals)	15, 16
Week 8 (03/13)	MIDTERM EXAM	
03/14 to 03/21	Spring Break	
Week 9 (3/23 to 3/29)	Interior Finishes and Specialties	17
Week 10 (3/30 to 4/05)	MEP Systems, Review of Subcontractor Bids and Proposals	18, 19, 20
Week 11 (4/06 to 4/12)	Non-Union, Prevailing Wage, Union Rates, Productivity	7
Week 12 (4/13 to 4/19)	General & Supplementary Conditions	3
Week 13 (4/20 to 4/26)	Work Sessions (bid preparations)	
Week 14 (4/27 to 5/03)	Bids due / Bid Opening	
Week of 05/05 & 05/06	No Classes – Reading days	
Week 15 – 05/08	FINAL EXAMINATION	

COURSE ORGANIZATION

Grading

93 – 100	A
90 – 92	B+
83 – 89	B
80 – 82	C+
70 – 79	C
60 – 69	D
< 60	F

<u>Grading</u>	<u>% (approx.)</u>
Midterm	25%
Participation / Assignments	20%
Bid Proposal	30%
<u>Final Exam</u>	<u>25%</u>
Final Grade	100%

Academic Integrity Statement

Students participating in this class agree to conform to, abide by, and agree to the sanctions of the University Code of Academic Integrity. The code is available for review on the NJIT website.

Technology Requirements

Students may need a high-speed internet connection, a webcam (internal or external), and a computer or laptop with windows or apple Operating System. Examination proctoring may require videotaping and recording during the exam session.

Examinations

All examinations will be conducted online.

Office Hours:

Tuesdays 6:00 PM to 8:30 PM and by Appointment.