

Spring 2022

CE 610-102: Construction Management

Chrissa Roessner

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

Recommended Citation

Roessner, Chrissa, "CE 610-102: Construction Management" (2022). *Civil and Environmental Engineering Syllabi*. 602.

<https://digitalcommons.njit.edu/ce-syllabi/602>

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
John A. Reif Department of Civil & Environmental Engineering

CE 610-102 – Construction Management
Fridays, 6:00 PM to 8:50 PM (In-person / Synchronous)
Tiernan (TIER) 108

Spring 2022
Chrissa Roessner, PE (Adjunct Professor)
cdr44@njit.edu

Restriction: B.S. degree in CE, technology, architecture, or related field. Managerial aspects of contracting. Study of an individual firm in relation to the entire construction industry. Topics include contractor organization and management, legal aspects of construction, and financial planning.

“Academic Integrity is the cornerstone of higher education and is central to the ideals of this course and the university. Cheating is strictly prohibited and devalues the degree that you are working on. As a member of the NJIT community, it is your responsibility to protect your educational investment by knowing and following the academic code of integrity policy that is found at: <http://www5.njit.edu/policies/sites/policies/files/academicintegritycode.pdf>.

Please note that it is my professional obligation and responsibility to report any academic misconduct to the Dean of Students Office. Any student found in violation of the code by cheating, plagiarizing or using any online software inappropriately will result in disciplinary action. This may include a failing grade of F, and/or suspension or dismissal from the university. If you have any questions about the code of Academic Integrity, please contact the Dean of Students Office at dos@njit.edu.”

Date	Topic
Fri 01/21/2022	Introductions Discuss Syllabus & Term Project Overview, Bidding & Contract Management
Fri 01/28/2022	Contracts & Specifications
Fri 02/04/2022	Business Structuring (Overview) Financing & Insurance
Fri 02/11/2022	Quiz No. 1 Contractor Personnel Owner Personnel Record Keeping
Fri 02/18/2022	Personnel & People Management Supervising Personnel
Fri 03/04/2022	Quiz No. 2 Construction Safety Guest Speaker: Domestic & International Construction Management Experience
Fri 03/11/2022	Midterm Exam
Fri 03/18/2022	No Class – Spring Break
Fri 03/25/2022	Scheduling
Fri 04/01/2022	Scheduling (Continued)
Fri 04/08/2022	Quiz No. 3 Estimating & Resource Allocation Materials Management
Fri 04/15/2022	No Class – Good Friday
Fri 04/22/2022	Business & Legal Aspects of Construction Negotiating Contracts & Extra Work Guest Speaker: Negotiation of Contracts

Fri 04/29/2022	Contracts & Claims Guest Speaker: Mediation, Arbitration, Litigation
Tues 05/03/2022	Student Presentations – Research Projects
Date and Time Pending	Final Exam

Note: No sessions on Fridays 3/18/22 (Spring Break) and 4/15/22 (Good Friday).

Office Hours

By Appointment (by video or phone conference). Please email professor to make an office appointment. Generally, office hours are virtual or on campus Fridays between 5:30 PM and 6:00 PM.

Attendance and Virtual Attendance Policy

Students are expected to attend every class **in-person as scheduled**. Attendance will be tracked.

For instances when synchronous instruction is directed by NJIT administration, the following guidance applies:

*Students will be expected to attend every class virtually **with camera ON and microphone working** to be able to interact and participate during class. **Students will be required to have access to a camera and microphone during class meetings, and there will not be any exceptions during quizzes and exams, and as directed by the professor, and or proctor service.** Students are expected to treat any remote class meeting like s/he would the course that meets in-person and should set the slotted time aside to dedicate to this course and the content being presented.*

Quizzes and Exams

Students will take all quizzes and exams in-person as scheduled.

For instances when synchronous instruction is directed by NJIT administration, the following guidance applies:

*Quizzes and exams will be held through Canvas and the professor's WebEx classroom. All students will be required to have access to an electronic device to take the quizzes and exams, and students must have both camera and microphone on during quizzes and exams; video and audio must be available for professor to view and hear for the duration of the quiz/exam. If professor requests a student to adjust a camera or to unmute during a quiz or exam, the student must comply, or the resulting grade will be a 0. No exceptions. Quizzes and exams will begin at a set time, and there will be set time limits for the same. Quizzes will be held at the start of class. There will be no pop-quizzes, and all quiz dates are shown on the syllabus. Please ensure you arrive to the virtual classroom on time, so you do not miss a quiz. **THERE WILL BE NO MAKEUP QUIZZES OR EXAMS UNLESS SUBSTANTIATED / APPROVED BY THE DEAN OF STUDENTS' OFFICE.***

Research Project – Report and Presentation

Groups of 2 (possibly 3 depending on course enrollment) to be assigned by the professor. Students are responsible for submitting the assignment in the correct format, according to the due date and time (midnight, Friday, April 22, 2022). Late assignments **will not be** accepted. Groups of students may collaborate **REMOTELY** or **IN-PERSON** for discussions, and ultimately project and presentation preparation. Please *use safety precautions during any in-person meetings*. Additional information regarding the Research Project will be posted in Canvas and the topics will be provided by the professor as soon as possible, but no later than February 4, 2022 for each group. Group presentations are scheduled to take place on **Tuesday, May 3, 2022**, the final class meeting before the Final Exam. Ensure the submitted deliverables meet all requirements outlined in Canvas.

Text

Not applicable for Spring 2022

Grading

Breakdown

Quiz #1	10%
Quiz #2	10%
Midterm	25%
Quiz #3	10%
Research Project	20%
<u>Final</u>	<u>25%</u>
Total	100%

Scale

A	100-90
B+	89-85
B	84-80
C+	79-75
C	74-70
D	69-60
F	Below 60