

Spring 2021

CE 610-102: Construction Management

Chrissa Roessner

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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 (Synchronous)

Spring 2021
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 1/22/2021	Introductions Overview, Bidding & Contract Management
Fri 1/29/2021	Contracts & Specifications
Fri 2/5/2021	Quiz No. 1 Business Aspects
Fri 2/12/2021	Financing & Insurance
Fri 2/19/2021	Quiz No. 2 Contractor Personnel
Fri 2/26/2021	Owner Personnel Record Keeping
Fri 3/5/2021	Midterm Exam
Fri 3/12/2021	TBD
Fri 3/26/2021	Construction Safety
Fri 4/9/2021	Scheduling
Fri 4/16/2021	Scheduling (Continued)
Fri 4/23/2021	Quiz No. 3 Estimating & Resource Allocation Materials Management
Fri 4/30/2021	Quiz No. 4 Business & Legal Aspects of Construction Contracts & Claims Guest Speaker: Mediation, Arbitration, Litigation
Tue 5/4/2021	Student Presentations – Research Projects
Fri 5/7/2021	Final Exam

Note: No sessions on Fridays 3/19/21 and 4/2/21 due to Spring Break and Good Friday.

Office Hours

By Appointment (by video or phone conference). Please email professor to make a virtual office appointment.

Synchronous Virtual Attendance Policy

Students are 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 is mandatory during quizzes and exams, and as directed by the professor.** Students are expected to treat this course like s/he would a 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 online 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 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 to be assigned by the professor. Students are responsible for submitting the assignment according to the due date and time (Friday, April 30). Late assignments **will not be** accepted. Groups of students are expected to collaborate **REMOTELY** for discussions, and ultimately project and presentation preparation. 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 March 19, 2021 for each group. Group presentations are scheduled virtually through WebEx for Tuesday, May 4, 2021, the final class meeting. Ensure the submitted deliverables meet all requirements outlined in Canvas.

Text

Not applicable for Spring 2021

Grading

Breakdown

Quiz #1	10%
Quiz #2	10%
Midterm	20%
Quiz #3	10%
Quiz #4	10%
Research Project	20%
<u>Final</u>	<u>20%</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