

Tompkins Cortland Community College
Master Course Syllabus

Course Discipline and Number: CONT 208
Course Title: Construction Management and Regulation

Year: 2021-2022
Credit Hours: 3

Attendance Policy: *To maintain good grades, regular attendance in class is necessary. Absence from class is considered a serious matter and absence never excuses a student from class work. It is the responsibility of all instructors to distribute reasonable attendance policies in writing during the first week of class. Students are required to comply with the attendance policy set by each of their instructors. Students are not penalized if they are unable to attend classes or participate in exams on particular days because of religious beliefs, in accordance with Chapter 161, Section 224-a of the Education Law of the State of New York. Students who plan to be absent from classroom activity for religious reasons should discuss the absence in advance with their instructors. See college catalog for more information.*

Services for Students with Disabilities: *It is the College's policy to provide, on an individual basis, appropriate academic adjustments for students with disabilities, which may affect their ability to fully participate in program or course activities or to meet course requirements. Students with disabilities should contact the Coordinator of Access and Equity Services, to discuss their particular need for accommodations. All course materials are available in alternate formats upon request.*

Course Description

This course covers "Basic Management" used in the construction industry including construction economics (CPM scheduling, estimating the use and legal implications of basic construction, and incorporating environmental and land use regulations and building codes into the construction management process. Prerequisites: CONT 107; RDNG 116 if required by placement testing; prior completion or concurrent enrollment in ENGL 101. 3 Cr. (3 Lec.) Spring semester.

Course Context/Audience

This is a required course for students in the Construction Technology degree and the Building Construction certificate programs. It may also be of interest to extramural students working in construction and related industries.

Basic Skills/Entry Level Expectations

Writing: WC College level writing skills are required. See course co-requisites or pre-requisites.

Math: MC College level math skills – Course requires college level math skills. See course description for co-requisite and/or prerequisite requirement(s).

Reading: R4 Before taking this course, students must satisfactorily complete RDNG 116 or have assessment indicating that no reading course was required.

Course Goals

As a result of successfully this course, the student will be familiar with basic management methods used in the construction industry and the basic documents used in construction projects.

Course Objectives/Topics

Objective/Topic	% Course
Construction Industry Overview	10%
Construction Economics	15%
CPM (Critical Path Method) Scheduling	15%
Environmental and Land Use Regulations	10%
Building Codes	10%

Bidding and Estimates	10%
Purpose and Legal Implications of Basic Construction Documents	30%

General Education Goals - Critical Thinking & Social/Global Awareness

CRITICAL THINKING OUTCOMES	HOW DOES THE COURSE ADDRESS THE OUTCOMES (Include required or recommended instructional resources, strategies, learning activities, assignments, etc., that must or could be used to address the goal/outcomes)
<p>Students will be able to</p> <ul style="list-style-type: none"> ➤ develop meaningful questions to address problems or issues. ➤ gather, interpret, and evaluate relevant sources of information. ➤ reach informed conclusions and solutions. ➤ consider analytically the viewpoints of self and others. 	<p>Students will learn about various divisions of the construction industry and then hear directly from guest speakers from the industry.</p> <p>Students will prepare complete CPM project schedules and discuss their completed projects in class.</p>
SOCIAL/GLOBAL AWARENESS OUTCOMES	HOW DOES THE COURSE ADDRESS THE OUTCOMES (Include required or recommended instructional resources, strategies, learning activities, assignments, etc., that must or could be used to address the goal/outcomes)
<ul style="list-style-type: none"> ➤ Students will begin to understand how their lives are shaped by the complex world in which they live. ➤ Students will understand that their actions have social, economic and environmental consequences. 	<p>Students will learn about the role of the public in the construction industry including land use and environmental regulations and the development and application of building codes.</p>

Instructional Methods

Four lecture hours weekly

Methods of Assessment/Evaluation

Method	% Course Grade
Exams and quizzes	50%
Final exam	25%
Assignments	25%

Text(s)

Construction Management Jump Start, Jackson, 2nd Edition, , © 2010 Wiley Publishing, Inc.

Bibliography

ENR (Periodical), McGraw-Hill.

Means Construction Cost 2006 Primavera Manual, © 2003.

Other Learning Resources**Audiovisual**

Documentary videos

Electronic

Primavera Project Planner; Power Point

Other

Guest speakers; field trip