

California Polytechnic State University, San Luis Obispo

Construction Management Department

CM102-01, Introduction to Construction Management, Winter 2020

Instructor:	Tom Kommer, JD
Office Location:	21-101
Telephone:	805-756-6457
Email:	tkommer@calpoly.edu
Office Hours:	M 4:00pm – 5:00pm and T,W,R 3:00pm – 4:00pm, or by appointment
Class Days/Times:	M,W (8:10am – 9:00am)
Classroom:	05-100 (Architecture)
Prerequisite(s):	First Year Standing

Course Description

Introduction to the fundamental concepts and overview of the essential elements associated with the construction profession, to include: construction trends, ethics, safety and health issues, and professional practice methods. 2 lectures.

Course Goals and Learning Outcomes

Course Goals:

As a result of this course, you should be able to:

This course will introduce the students to construction management processes and procedures, relationships, practices, terminology, project types, procurement methods, industry standards, contract documents, and career opportunities. Topics include the roles of the owner, architect, engineer, and contractor; project teams and organizations; types of contracts; different project delivery methods; bidding and award documents and procedures; construction budgets; cost estimating; construction planning and scheduling; cost control; monitoring and accounting systems and managing quality, health and safety. In addition, the course will explore construction management professional certifications, organizations, and associations.

Course Learning Outcomes (CLOs):

1. Recall and identify the historical background of the construction industry.
2. Identify and explain the impact of the construction industry on society.
3. Identify and explain the latest trends and the different sectors that make up the construction industry today.
4. Identify and illustrate the importance of green, sustainable aspects in the construction industry.
5. Comprehend and recall the phases of the design and construction process.
6. Comprehend and recall the various roles of construction project participants.
7. Identify and explain the diverse career opportunities in the construction industry.

8. Recognize and identify the organizations and associations that make up the construction industry.

Student and Program Learning Outcomes

The American Council for Construction Education (ACCE) is the accrediting body for Cal Poly's construction management program. The ACCE requires achievement of 20 student learning outcomes (SLOs). The construction management program has identified 20 program learning outcomes (PLOs) that equal or exceed the ACCE SLOs and 5 additional idiosyncratic PLOs.

This course supports the following PLOs:

PLO 4: Create construction project cost estimates.

PLO 5: Create construction project schedules.

PLO 12: Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.

PLO 13: Understand construction risk management.

Topical Outline, Outcomes, and Method of Assessment

This course has embedded assessment instruments for the PLO(s) listed below:

None

An overview of content, course learning outcomes, program learning outcomes, instructional activities, and assessment measures, is listed in the table below.

See Schedule Attached

Required Texts/Reading

Textbook

Jackson, PhD., DBIA, Barbara J, Construction Management Jump Start - The Best First Step Toward a career in Construction Management, 2nd Edition, Sybex Wiley, 2010

Free via Library:

<http://lib.calpoly.edu/search-and-find/open-resources/required-textbooks/>

Other Readings

None

Other Equipment/Material Requirements

Laptops may be requested on any particular class period.

Classroom Protocol

As a student, you are responsible to:

- Always arrive on time.
- Do not chatter or whisper to fellow students during a lecture or other inappropriate times (please share with the class your comment or concern).

- Do not read newspapers, books, or do homework for another class during lectures.
- Turn off your cell phone and close laptop during discussions and lectures.
- No eating in class during lectures and discussions.
- If you are, in the opinion of the instructor, disrupting class you will be asked to leave the room.

Students are expected to have completed the assigned reading before to coming to class. Students are encouraged to participate in class discussions and to bring in subjects related to the class of personal importance to them for further discussion.

Personal Responsibility: You will be treated as an adult - coworker in this class. We will all handled ourselves in as professional a manner as possible. The purpose of this is to attempt to get you ready for the real business environment in construction. Turning in a bid or contract late to your employer or client can literally mean the loss of millions of dollars for your company. While in class the situation might simply mean a non-passing grade, it is my goal to create an environment where acting responsibly is in your best interest and not doing so has consequences.

Assignments and Exams

The following assignments and their associated point values are subject to change by the instructor as needed.

Description	Points
Chapter Question Wiki Assignments	130 (13 Chapters at 10 points each)
Various Assignments	100 (5 Assignments at 20 points each)
Attendance, Participation	20
Exam 1 (Chapters 1-4)	100
Exam 2 (Chapters 5-8)	100
Exam 3 – Final Exam – (Chapters 1-13)	150
Total Points Possible	600

Late/Missed Work and Make-Up Policy

Late Assignments: Assignments will be accepted late up to a week past the due date but will only receive ½ credit. Afterwards, no lab assignments will be accepted.

Make-up Assignments: No make-up assignment, or quizzes will be permitted with-out acceptable written notification prior to the even

Grading Policy

Listed below is the grading scale for this course.

Letter Grade	Percentage	Performance	Definition
A	93 – 100%	Excellent Work	

Letter Grade	Percentage	Performance	Definition
A-	90 – 92%	Mostly Excellent Work	Superior Attainment of Course Learning Outcomes
B+	87 – 89%	Very Good Work	Good Attainment of Course Learning Outcomes
B	83 – 86%	Good Work	
B-	80 – 82%	Mostly Good Work	
C+	77 – 79%	Very Acceptable Work	Acceptable Attainment of Course Learning Outcomes
C	73 – 76%	Acceptable Work	
C-	70 – 72%	Mostly Acceptable Work	
D+	67 – 69%	Mostly Poor Work	Poor Attainment of Course Learning Outcomes
D	63 – 66%	Poor Work	
D-	60 – 62%	Very Poor Work	
F	0 – 59%	Failing Work	Non-Attainment of Course Learning Outcomes

University Policies

Participation and Attendance

Students are responsible for knowing the University policy regarding class attendance. See this link on [Class Attendance Policy](#) provided on the university website.

Add/Drop Policy

Students are responsible for knowing the University policies, procedures, and schedule for dropping or adding classes. See this link on [Add/Drop Policy](#) provided on the university website.

Academic Integrity

Students are responsible for knowing the [Academic Honesty Policy](#).

Students with Disabilities

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Disability Resource Center, Building 124, Room 119, at (805) 756-1395, as early as possible in the term, as accommodations may take several weeks to arrange. If you are a student with a disability, please consider discussing your needs and possible accommodations with me as soon as possible, and visit the [DRC Website](#) for additional information.

SensusAccess

SensusAccess is a self-service, alternate media solution made available by Kennedy Library to automatically convert files into a range of alternate media including audio books (MP3 and DAISY), e-books (EPUB, EPUB3 and Mobi) and digital Braille. The service can also be used to convert inaccessible

files such as image-only PDF files, JPG pictures and Microsoft PowerPoint presentations into more accessible and less tricky formats. This service is available at no charge for all Cal Poly students, faculty, staff and alumni. For additional information, visit [SensusAccess at the Kennedy Library](#).

Technical Support and Contact Information

Support is available for troubleshooting and access issues for PolyLearn. Please visit the [PolyLearn Student Support Web Site](#) for further information.

Campus Resources to Support Student Learning

Cal Poly offers programs and resources that are available to assist students during your academic studies, such as the [Cal Poly Student Academic Services Web Site](#).