

**M.E. Rinker, Sr. School of Construction Management
UNIVERSITY OF FLORIDA**

Construction Project Management

COURSE NUMBER: BCN5905

TERM: Summer 2023

NUMBER OF CREDIT HOURS: 3

CLASS LOCATION: Rinker

INSTRUCTIONAL METHODS: The class meets twice a week.

CLASS MEETING TIMES: M/W 3rd Hour

INSTRUCTOR: Dr. Jim Sullivan

sullj@ufl.edu

352-256-8599

OFFICE HOURS: Before or after class – please confirm prior to meeting

COURSE DESCRIPTION:

This course will provide a fundamental understanding of project management as it relates to construction project delivery. The course will cover fundamental management, common construction materials, construction documents and plan reading, construction planning, estimating and cost control, scheduling, quality control and assurance, and sustainability and continuous improvement.

COURSE OBJECTIVES:

1. To provide students the common understanding of Construction Management and the different ways projects are organized and managed from schematic design through project turnover.
2. Understanding of common commercial building types and materials associated with the construction.
3. To provide the students with an overview of construction documents (drawings, specifications, and contracts).
4. Understanding of construction planning from a General Contractors perspective in both terms of risk and profit.
5. The ability to schedule simple work activities.
6. Basic understanding of the estimating process and target design.
7. The development of both quality assurance and quality control requirements.
8. Overview of sustainable concepts and concepts of continuous improvement.

PREREQUISITE KNOWLEDGE AND SKILLS:

- Graduate standing the College of Design, Construction, and Planning, as well as graduate Engineering and Real Estate programs.

COURSE POLICIES:

ATTENDANCE POLICY:

Attendance and participation in the class activities are required. Attendance and participation grade will be computed in proportion to the number of presences on the days the rolls were taken and participation on a given topic in the class forum. Requirements for class attendance and make-up quizzes, assignments, and other work in this course are consistent with university policies that can be found at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

COURSE EVALUATION

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>

UF POLICIES:

UNIVERSITY POLICY ON ACCOMMODATING STUDENTS WITH DISABILITIES:

Students requesting accommodation for disabilities must first register with the Dean of Students Office (<https://disability.ufl.edu/>). The Dean of Students Office will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation. You must submit this documentation prior to submitting assignments or taking the quizzes or exams. Accommodations are not retroactive; therefore, students should contact the office as soon as possible in the term for which they are seeking accommodations.

UNIVERSITY POLICY ON ACADEMIC MISCONDUCT:

Academic honesty and integrity are fundamental values of the University community. Students should be sure that they understand the UF Student Honor Code at <https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/> . Although joint work on assignments may be acceptable in some cases, duplication of an assignment, both manually or by computer will be considered an act of academic dishonesty and dealt with accordingly. On all work submitted for credit by students at the university, the following pledge is either required or implied: **"On my honor, I have neither given nor received unauthorized aid in doing this assignment."**

GETTING HELP:

For issues with technical difficulties for E-learning in Canvas, please contact the UF Help Desk:

- Learning-support@ufl.edu
- (352) 392-HELP - select option 2
- <https://lss.at.ufl.edu/help.shtml>

GRADING POLICIES:

Assignment	Percentage
Module Assignments A1-A8 (8 total@10% each)	30%
Course Project – General Condition Budget / Risk Analysis	60%
Attendance and Participation	10%
Total	100%

GRADING SCALE:

Grades will be computed according to the following scale:

A=93-100; A- =90-92.9; B+ =87-89.9; B=83-86.9; B- =80-82.9; C+ = 77-79.9; C=73-76.9; C- =70-72.9; D+ =67-69.9; D=63-66.9; D- =60-62.9; E<60.

- Attendance grade will be computed in proportion to the number of presences on the days the rolls were taken and participation grade is based on responding to a given discussion topic in the class forum.

- At the end of each module an individual assignment will be given that covers topics that were discussed in that module. Specific evaluation criteria will be provided with each assignment.

- A final group project will be assigned that requires application of topics learned.

COURSE SCHEDULE:

<u>Module</u>	<u>Topic</u>	<u>Class Content</u>
Module 1	Construction Management	Roles and responsibilities as well as project delivery methods.
Module 2	Common Building Types and Techniques	Develop a clear understanding of market sectors, experience factors, codes, and commercial building types.
Module 3	Construction Documents and Plan Reading	Plans, specifications, and contracts. What do they tell you and what do they not.
Module 4	Construction Planning, Controls, Risk, and Profit	Understanding the risk / reward of building. Understanding project controls and Key Performance Indicators.
Module 5	Simple Scheduling and Productivity	Basic Work Book Structure (WBS) and basic Critical Path Methodology
Module 6	Estimating and Target Value Design	Developing a complete Bid Package.
Module 7	Quality Assurance / Quality Control	You get what you pay for and what you control.
Module 8	Sustainability and Continuous Improvement	Sustainability applications in the US market and the concept of continuous improvement in the construction industry.

Disclaimer: This syllabus represents the current plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity. Such changes, communicated clearly, are not unusual and should be expected.

Reading Materials:

1.

To be assigned