**Construction Project Management**BCN 4709C
T, R Period 4-5 (12:50 AM - 2:45 PM) RNK 206
*Fall 2025*

**Instructor:                      Robert F. Cox**Office Location:            306 Rinker Hall
Email:                              robcox@ufl.edu
Phone:                           (352) 273-1183

Mobile: (765) 404-2244

Office hours are T/R between 11:00 AM - 12:00 PM, and by appointment.

**Course Description**:
Understanding the various forms of project delivery methods (Design-Bid-Build, Design-Build, and Construction Management) and the underlying principles for choosing the appropriate system. Recognizing the complexity of the preconstruction process including conceptual estimating and scheduling, life cycle costing, constructability reviews, value engineering, risk management and special contract requirements. Understanding management and administration of a construction project.

**Course Learning Outcomes (CLOs):**Upon completion of the course, students will demonstrate their ability to:

1. Understand project control processes by identifying the methods used to establish and maintain production, cost, and schedule control.
2. Identify the major elements of a quality control/quality assurance program.
3. Describe the underlying principles of the project delivery process.
4. Recognize the processes of construction risk management.
5. Employ electronic based technology to document and manage the construction process.
6. Analyze ethical issues faced by construction professionals.

Additional information on the BCN undergraduate learning outcomes is available at: [https://catalog.ufl.edu/ugrad/current/construction/ALC/building-construction.aspxLinks to an external site.](https://catalog.ufl.edu/ugrad/current/construction/ALC/building-construction.aspx).  For this course, the CLOs will be evaluated according to the table below.

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| --- | --- | --- | --- |
| **Course Learning Outcome (CLO)** | **Assignment(s)** | **Student Learning Outcome** | **Percent students  with a 70% or higher** |
| *SACS* | *ACCE* |
| 1. | Project control methods | Exam #1 and Exam #3 |  | 16 | 80% |
| 2. | Quality control and assurance | Exam #1 |  | 15 | 80% |
| 3. | Project delivery process | Exam #2 |  | 12 | 80% |
| 4. | Construction risk management | Exam #2 |  | 13 | 80% |
| 5. | Technology integration | Technology Presentations | 4 | 10 | 80% |
| 6. | Business ethical issues | Ethics Analysis and Exam #3 | 5 | 6 | 80% |

*SACS = Southern Association of Colleges and Schools, ACCE = American Council for Construction Education*

**Required Texts available electronically through UF Libraries:**Textbook references are required for this course, which are available electronically **for FREE** via the UF Library:

* *Construction Project Management: An Integrated Approach (3rd)*. Peter Fewings and Christian Henjewele. Copyright 2019. ISBN-13: 978-0815358657, Routledge.

<https://ufl-flvc.primo.exlibrisgroup.com/permalink/01FALSC_UFL/175ga98/alma99383191876006597>

* *Modern Construction Management (7th).* Frank Harris, et al. Copyright 2013. ISBN-13: 978-1118510216, John Wiley & Sons, Inc. <https://ebookcentral.proquest.com/lib/ufl/detail.action?docID=5739636>

Additional reading materials will be provided to support course lectures and related coursework. Students are expected to read assigned materials in advance of the lecture.

 **Class Attendance and Make-Up Policy:**Attendance is strongly encouraged.  You are responsible for all material presented in class, lecture notes on the course’s e-Learning website, handouts, guest speakers, and anything said or written by the instructor.  Late assignments will be accepted with 50% reduction of potential points, no later than the start of the next scheduled class.  Make-up tests must occur within three days of the originally scheduled exam date.  Only one make-up exam is allowed per semester.  Requirements for attendance, make-up exams, assignments and other work in this course are consistent with UF policies found at: [https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspxLinks to an external site.](https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx).

**Course Schedule:**
The goal of this course is to teach you to think like a project manager. In your previous courses, you have been taught the basics of construction materials and methods, scheduling and estimating techniques, and contract law, which all provide a strong starting point. This course, however, will encourage you to go one step further and train you to think critically and creatively to solve the types of problems encountered by project managers every day.

***A weekly schedule is provided below - NOTE: SUBJECT TO CHANGES***



**Evaluation of Grades:**Two, 2-hour class meetings will be held each week.  Typically, we will have one hour of lecture combined with an hour of applications / activities in which you will apply concepts from the lecture in small groups.  Finishing the in-class assignment may require additional time outside of class.  Each assignment will be graded.

Three (3) exams will be given throughout the semester.  These exams will be held in-person during class time and will be closed book.  The format of the exam can be written hard copy or electronic and will include questions using any combination of short answer, essay, multiple choice, quantitative problems, and/or sketches.

Three additional assignments will be given throughout the semester. The first assignment is a production observation analysis, where you will be asked to describe and critique a real world production process.  The second assignment addresses ethical case studies. The third assignment will be a short group presentation, structured as a “lunch and learn,” where your group will provide a training session to the class for a selected construction technology.

Final grades will be calculated based on the following weighting:

Exam #1                                                        100 20%
Exam #2                                                        100 20%

Exam #3 (comprehensive) 100 20%
In-class Activities / Assignments (5 at 20 pts. ea.)      100 15%
Production Observation Report and Presentation      50 10%
Business Ethics Analysis                                                 50 5%

Mentoring Activity (3 stages at ~33 pts each) 100 5%
Technology Presentation                                              50 5%

 Total 100%

*You are responsible for addressing grades within one week of the grade being posted on the course’s e-Learning website.  After one week, the grade stands for the class regardless of cause or circumstance.*

**Grading Policy:**Final grades will be assigned according to the following scale.  Divide the total points you earn by the total possible points to obtain your percent.  Decimal points will not be rounded. More information on grades and grading policies at UF is available at: [https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspxLinks to an external site.](https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx)

|  |  |  |
| --- | --- | --- |
| **Percent** | **Letter Grade** | **Grade Points** |
| 93.0 - 100 | A | 4.00 |
| 90.0 - 92.99 | A- | 3.67 |
| 87.0 - 89.99 | B+ | 3.33 |
| 83.0 - 86.99 | B | 3.00 |
| 80.0 - 82.99 | B- | 2.67 |
| 77.0 - 79.99 | C+ | 2.33 |
| 73.0 - 76.99 | C | 2.00 |
| 70.0 - 72.99 | C- | 1.67 |
| 67.0 - 69.99 | D+ | 1.33 |
| 63.0 - 66.99 | D | 1.00 |
| 60.0 - 62.99 | D- | 0.67 |
|  0 - 59.99 | E | 0.00 |

**Accessing University Academic Policies and Campus Resources**

To support consistent and accessible communication of university-wide student resources, please use this link to academic policies and campus resources: <https://go.ufl.edu/syllabuspolicies>.

**Students Requiring Accommodations:**Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, [www.dso.ufl.edu/drcLinks to an external site.)Links to an external site.](http://www.dso.ufl.edu/drc) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

**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/studentsLinks to an external site.](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, or via [https://ufl.bluera.com/uflLinks to an external site.](https://urldefense.proofpoint.com/v2/url?u=https-3A__ufl.bluera.com_ufl_&d=DwMFAg&c=sJ6xIWYx-zLMB3EPkvcnVg&r=y2HjEMjRMHJhfdvLrqJZlYczRsfp5e4TfQjHuc5rVHg&m=WXko6OK_Ha6T00ZVAsEaSh99qRXHOgMNFRywCoehRho&s=itVU46DDJjnIg4CW6efJOOLgPjdzsPvCghyfzJoFONs&e=). Summaries of course evaluation results are available to students at [https://gatorevals.aa.ufl.edu/public-results/Links to an external site.](https://gatorevals.aa.ufl.edu/public-results/). 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/studentsLinks to an external site.](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, or via [https://ufl.bluera.com/uflLinks to an external site.](https://urldefense.proofpoint.com/v2/url?u=https-3A__ufl.bluera.com_ufl_&d=DwMFAg&c=sJ6xIWYx-zLMB3EPkvcnVg&r=y2HjEMjRMHJhfdvLrqJZlYczRsfp5e4TfQjHuc5rVHg&m=WXko6OK_Ha6T00ZVAsEaSh99qRXHOgMNFRywCoehRho&s=itVU46DDJjnIg4CW6efJOOLgPjdzsPvCghyfzJoFONs&e=). Summaries of course evaluation results are available to students at [https://gatorevals.aa.ufl.edu/public-results/Links to an external site.](https://gatorevals.aa.ufl.edu/public-results/).

**Class Demeanor:**It is expected that everything submitted for a grade will be professional, with correct spelling and grammar.  The expectations and caliber of the work expected in this course are elevated to the level of the business community and evaluated against that baseline.  When available, use software to produce your work.  If your work product is considered unacceptable in the workplace, then it is unacceptable here.  The goal is for all work to represent what you would submit to your immediate boss in a job scenario.  If your boss won’t accept, then we won’t either.

Should the instructor determine that a student’s work is substantially similar to that of another (either past or present), the student may be subject to a rejection of that assignment and will be cited with an honor court violation.  Similarly, the use of materials, worksheets, or data from previous semesters is considered cheating.  Your work is subject to electronic verification by TurnItIn® or other technologies.

**University Honesty Policy:**UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The Honor Code  specifies a number of behaviors that are in violation of this code and the possible sanctions ([https://www.dso.ufl.edu/sccr/process/studentLinks to an external site.-Links to an external site.conductLinks to an external site.honorLinks to an external site.-Links to an external site.code/Links to an external site.)Links to an external site.](https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code). Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

**Counseling and Wellness Center**
Contact information for the Counseling and Wellness Center is available on the web at [http://www.counseling.ufl.edu/cwc/Default.aspxLinks to an external site.](http://www.counseling.ufl.edu/cwc/Default.aspx) or by phone at (352) 392-1575; and the University Police Department: (352) 392-1111 or 9-1-1 for emergencies.