

# Course Syllabus – CNST 1361

## Construction Management 1

**Course Description:**

This course offers a sampler of the entire CM program. It provides the first introduction to the principles of management, construction industry roles and responsibilities and an overview of common project management tools.

**Course Prerequisites:**

None

**Textbook:**

Construction Project Management, by Gould and Joyce, Pearson 4<sup>th</sup> edition (ISBN-13: 978-0132877244). There are eBook options available. Some test/exam questions will be taken from the textbook. **Textbook Required**

**Course Learning Outcomes:**

After completion of the course the student will:

1. Understand the various types of construction worldwide
2. Understand terminology common to the construction industry
3. Understand different methods of project delivery and the roles and responsibilities of all the participants involved in the design and construction process (SLO#12).
4. Be familiar with selected project control tools and computer applications in CM (SLO# 14 and SLO#16)
5. Understand the basic principles of sustainable construction (SLO#18).
6. Be aware of Ethics, Safety issues common to construction activities (SLO#6)

**Student Learning Outcomes:**

1. Create written communications appropriate to the construction discipline
6. Analyze professional decisions based on ethical principles
12. Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process
14. Understand construction accounting and cost control
16. Understand construction project control processes
18. Understand the basic principles of sustainable construction

**Course and Student Learning Outcome Mapping:**

Student Learning Outcome	Course Learning Outcomes
6	6
12	1,2,3
14	4
16	4
18	5

**Student Learning Assessments and Assessment Target:**

Assessment	SLO#6	SLO#12	SLO#14	SLO#16	SLO#18	Assessment Target

Support (S)	X	X	X	X		At least 70% of students receive a grade of 70 or better
Assess(A)					X	At least 70% of students receive a grade of 70 or better

**Class Grading:**

• 10% for LASSI Assignment	100 points
• 7% for chapter reviews	70 points
• 5% for Journals	50 points
• 28% for quizzes (4)	280 points
• 10% for semester assignment	100 points
• 30% for final exam	300 points
• 10% for class participation	100 points
<b>TOTAL</b>	<b>1000 points</b>

**Grading Scale :**

Letter Grade	Score
A	900 – 1000 points
B	800 – 900 points
C	700 – 800 points
D	600 – 700 points
F	Below 600 points

**Class Schedule:**

(Subject to change look for latest published revision)

WEEK #	TOPIC	Text Chapter
1	<b>Opening Session at Main Campus</b> • via Microsoft Teams	
2	Syllabus Review The Construction Industry Chapter 1 Review due by class time <b>LASSI Assessment – this is a required assessment for all CNST1361 students. The Assessment is in Blackboard under “Assignments”. A screenshot of your completed page needs to be uploaded into Blackboard for credit for this Assignment.</b>	1
3	LABOR DAY HOLIDAY – NO CLASS	
4	Project Participants • Chapter 2 Review due by class time	2
5	LASSI PRESENTATION Organizing and Leading the Construction Project • Chapter 3 Review due by class time	3
6	Project Delivery Methods • Chapter 4 Review due by class time <b>Quiz #1 (chap 1-4) ONLINE IN BLACKBOARD due Wednesday Sept. 30<sup>th</sup></b>	4

7	Project Phases/Bidding & Procurement • Chapter 5 & 6 Review due by class time	5 & 6
8	Construction Services/ Construction/ Closeout • Chapter 7 & 8 Review due by class time <b>Quiz #2 (chap 5-8) ONLINE IN BLACKBOARD due Wednesday Oct. 14<sup>th</sup></b>	7 & 8
9	Guest Lecturer – Fluor Erin Tang AWP Module 1	
10	Construction Estimating • Chapter 9 Review due by class time	9
11	Guest Lecturer - Tellepsen Sustainable Construction <b>Quiz #3 (Sustainable Construction) ONLINE IN BLACKBOARD due Wednesday Nov 4<sup>th</sup></b>	
12	Project Planning and Scheduling • Chapter 10 Review due by class time	10
13	Project Controls/ Site Management/Project Administration • Chapter 11 & 12 Review due by class time <b>Quiz #4 (chap 9-12) ONLINE IN BLACKBOARD due Wednesday Nov. 18<sup>th</sup></b>	11 & 12
14	Construction Law / Health Safety & Environment • Chapter 13 & 14 Review due by class time Final Review	13 & 14
15	Final Examination <b>ONLINE IN BLACKBOARD 5pm to midnight</b> Journal Review via Teams	
16	Semester Assignment due May 4 <sup>th</sup> in Blackboard	

The instructor reserves the right to change the order of the schedule as the semester progresses. Sometimes guest speakers or field trips need to be rescheduled for various reasons.

### **Class Rules:**

- No electronic devices (cell phones, iPods, cameras, or recorders) are allowed in class. **You will be asked to leave if you insist on using any electronic devices during class time.**
- Be prompt to class. We will start promptly at 5:30PM. A 10-minute break will be given when convenient.
- No make-up tests will be allowed for the tests or the final exam without a university approved excuse.
- The final assignment will be due on the date listed. A reduction in grade will be assessed for a late assignment.
- One field trip is planned. Attendance is mandatory, and your participation grade will be deducted by 50% if you miss this field trip.

### **Supplies:**

- One three ring binder for Journal. More information to follow.

### **In Class:**

- Each class will begin with an HSE topic to be given by different students each week. Instructor will assign the topics to volunteers the second week of class. A current weather report should also be given.
  - Extra Credit (10 points) will be given for those who volunteer to present a topic.
  - Presentations should NOT be read from your notes – hit the high points.
- Lecture

### **Participation/Attendance:**

You are responsible to attend and for the information presented in class and meeting all due dates regardless of absences. This class requires good note taking since the PowerPoint presentations are only an outline of the lecture. DO NOT come into class when a student is giving their HSE presentation. Wait until they are finished before finding your seat. Participation in the lecture is expected.

### **NOTE:**

- Attendance to class is a requirement. If you cannot make it to class, it is your responsibility to email the instructor to let him know.
- Lecture presentations will be posted on Blackboard after each class.

### **Chapter Reviews:**

A review of each chapter will be taken through Blackboard before the beginning of each new lecture session. For instance, Chapters 1 is to be read and review completed in blackboard during week 2 in preparation for the Chapter 1 lecture on session 2 (Aug. 31, 2020). Chapter 2 review is to be completed before the beginning of session 4. Chapter Reviews will be done in Blackboard with 2 chances for completion for each chapter (the highest score will be recorded in the grade book).

### **Journals:**

Each student is to maintain a journal using a three-ring binder. At **each class meeting** the student is to enter the following information onto the daily report for each session (required templates are available in blackboard):

- Date
- Weather
- HSE Topic discussed
- Class notes
- Journals will include the daily reports, notes, and assignments. They will be checked during after the final exam by the instructor. You will be graded on the neatness of your book including printing and note taking abilities (blank pages or missing notes will be a deduct). You will be able to use your journal during the quizzes and final exam.

### **Quizzes:**

Four Multiple Choice/True-False/Matching quizzes will be given during the semester in class. The student will be given 30 minutes to take the quizzes. No make-ups are allowed without a university approved excuse.

### **LASSI Assessment:**

A Learning Assessment will be given through a Blackboard link. This online test LASSI, or Learning and Study Strategies Inventory, is a commonly used tool for college students, letting them know their strengths and weaknesses when learning college material. Once the student completes the inventory, they will receive a personal assessment. This is a required assignment for students and a screenshot of the completed page will need to be uploaded into blackboard for credit. The screenshot should NOT be the personal assessment but a screenshot of the completion page of the inventory.

**Semester Assignment:**

An assignment will be given through Blackboard towards the end of the semester and will be done outside of the classroom and will be turned in through Blackboard by the due date.

**Final Exam:**

The final exam will be comprehensive Multiple Choice/True-False exam and will be administered through Blackboard. Questions will be from lectures and the textbook. You will be allowed to use your journals as aids for taking the final. No make-ups are allowed without an university approved excuse.

**Questions:**

Each student should review the syllabus and email the instructor any questions that need to be clarified. It is important that each student understand the class structure and requirements. Adjustments to the class may be made during the semester.

**Academic Honesty:**

Each student is responsible for maintaining high standards of academic honesty and ethical behavior. Students are expected to take their exams, tests, and reports on their own, based on their individual effort. Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and dismissal from the University (See Student Handbook for a detailed description of the UH Academic Honesty Policy).

**Students with Disabilities:**

University of Houston provides, upon request, appropriate academic adjustments for qualified students with disabilities. Any student with a documented disability (physical or cognitive) who requires academic accommodations should contact the Center for Students with Disabilities (713-743-5400) for more assistance.

**University Counseling and Psychological Services:**

Counseling and Psychological Services (CAPS) can help students who are having difficulties managing stress, adjusting to college, or feeling sad and hopeless. You can reach CAPS (UH main campus [www.uh.edu/caps](http://www.uh.edu/caps), or UH Sugar Land campus <http://www.uh.edu/dsaes/uhsugarland/>) by calling [713-743-5454](tel:713-743-5454) during and after business hours for routine appointments or if you or someone you know is in crisis. No appointment is necessary for the “Let’s Talk” program, a drop-in consultation service at convenient locations and hours around campus.

UH main campus: [http://www.uh.edu/caps/outreach/lets\\_talk.html](http://www.uh.edu/caps/outreach/lets_talk.html)

UH Sugar Land campus: <http://www.uh.edu/dsaes/uhsugarland/>

**Exam Policy:**

Exams and tests will include material covered in the class discussions, textbook material, and homework assignments. Exam make-up's will be given only in the event of a verified university excuse. The student is responsible for all reading assignments and class handouts whether or not covered in class or listed on the syllabus.

**Course/Instructor Evaluation:**

A Start-Stop-Continue survey and a course/instructor evaluation will be conducted at the middle and the end of the semester. Any suggestions you have on improving the course, however, are welcome through the semester.

For detailed information Academic Honesty Policy, UH Academic Calendar, students with disabilities, and other information, please visit the following website:

[http://www.uh.edu/provost/stu/stu\\_syllabsuppl.html](http://www.uh.edu/provost/stu/stu_syllabsuppl.html)