# CEE 785 CONSTRUCITON ENGINEERING MANAGEMENT

# **Course Information:**

Semester: Fall Lecture Day: Lecture Time: Lecture Location: Credit Hours: 3

# **Instructor Information:**

Instructor: Email: Office: Phone: Office Hours:

## **Catalog Description:**

Concepts of construction project management of heavy civil, and capital facility projects. Covers the project phases: pre-project planning, engineering, procurement, construction and start up.

# **Prerequisites by Topic:**

Graduate standing

# **Required Skills:**

Proficient in word processing, spreadsheet, and presentation software

# **Computer Usage:**

You will be familiar with work plan, work package, work breakdown structure, cost breakdown structure, organization breakdown structure, etc.

You will be familiar with personal management skills

You will be familiar with schedule crashing

You will be familiar with project financing

## **Recommended Reference Books and Materials:**

Project Management for Engineering and Construction, 2<sup>nd</sup> edition by G. D.

Oberlender, McGraw-Hill Book Company, 2000

Computer-Based Construction Project Management by Tarek Hegazy, Prentice Hall, 2003

Construction Planning and Scheduling, 3rd edition Jimmie W. Hinze, Pearson Prentice Hall, 2008.

RS Means Cost Guide

# **Course Requirements:**

Students will engage in the following activities:

Attend classes

Read assigned material prior to class sessions

Complete the course project

Participate in class discussions

Complete examinations

Complete semester project

#### **Late Policy:**

NO late homework, or tests. So don't even ask!

# **Course Topics:**

The following topics will be covered in the course. The following listing is a general indication of the order of their coverage. However, I reserve the right to change the order

# **Assignment Weights:**

Exam I: 20% Exam II: 20% Homework: 20%

Semester project presentation: 15%

Semester project:

The final exam will be comprehensive.

# **Final Date:**

to drop or withdraw from this class without a refund, or change from credit to audit, is.....

# <u>Date, Time, and Location of Final Examination:</u> There won't be final exam.

# **Disclaimer:**

The contents of this document are to be considered "tentative" and subject to change as the instructor deems necessary.

#### **Auditing a Course**

Auditing a course allows a student to continue attending the lectures and/or laboratories and discussion sessions associated with the course, but the student will not earn a grade for any component of the course. Students who audit a course receive the same educational experience as students taking the course for a grade, but will be excused from exams, assessments, and other evaluative measures that serve the primary purpose of assigning a grade.

#### **Classroom Conduct**

Students have a responsibility to conduct themselves in class and in the libraries in ways that do not interfere with the rights of other students to learn, or of instructors to teach. Use of devices such as cellular phones and pagers, or other potentially disruptive activities are only permitted with the prior explicit consent of the instructor. Students are specifically prohibited to record classes without instructor authorization, including online/remote classes (either audio only, or video and audio). The instructor may rescind permission at any time during the class. If a student does not comply with established requirements or obstructs the functioning of the class, the instructor may initiate an administrative withdrawal of the student from the course.

Since the COVID-19 pandemic forced some instruction to be delivered remotely starting in Spring 2020, numerous students have asked instructors to record their synchronous classes, so that they can access them at their convenience. Instructors who agree to record their classes (audio only, or video and audio) should inform students in advance. Recorded lectures may not be broadly released to anyone, but made available exclusively to those students enrolled in the class during the particular academic term. Recorded lectures must be stored securely, and are subject to the Nevada System of Higher Education's Records Retention Policy, meaning that the recordings can only be deleted 120 days after the end of class (i.e., after grades are posted). Once this requirement is met, the recordings should be deleted. Class recordings are protected from disclosure, as they are deemed part of an educational record under the Family Educational Rights and Privacy Act (FERPA).

#### Copyright

The University requires all members of the University Community to familiarize themselves with, and to follow copyright and fair use requirements. You are individually and solely responsible for violations of copyright and fair use laws. The University will neither protect nor defend you, nor assume any responsibility for student or employee violations of fair use laws. Violations of copyright laws could subject you to federal and state civil penalties and criminal liability, as well as disciplinary action under University policies. Additional <a href="mailto:copyright policy information">copyright policy information</a> is available at <a href="https://www.unlv.edu/provost/copyright">https://www.unlv.edu/provost/copyright</a>.

regarding this policy arise, decisions can be appealed to the Department Chair/School Director, College/School Dean, and/or the Faculty Senate Academic Standards Committee.

For purposes of definition, extracurricular activities may include, but are not limited to academic recruitment activities, competitive intercollegiate athletics, fine arts activities, liberal arts competitions, science and engineering competitions, and any other event or activity sanctioned by a College/School Dean, and/or by the Executive Vice President and Provost.

#### Rebelmail

Rebelmail is UNLV's official email system for students and by University policy, instructors and staff should only send emails to students' Rebelmail accounts. Rebelmail is one of the primary ways in which students receive official University communications, information about deadlines, major Campus events, and announcements. All UNLV students receive a Rebelmail account after they have been admitted to the University. Sending emails within WebCampus-Canvas is also acceptable.

#### **Tutoring and Coaching**

The Academic Success Center (ASC), at the Claude I. Howard Building, provides tutoring, academic success coaching, and other academic assistance for all UNLV undergraduate students. For information regarding tutoring subjects, tutoring times, and other ASC programs and services, please visit the <u>ASC website</u>, https://www.unlv.edu/asc, or call 702-895-3177. The ASC is located across from the Student Services Complex (SSC). Academic success coaching is located on the second floor of SSC A, Room 254. Drop-in tutoring is located on the second floor of the Lied Library, and on the second floor of the College of Engineering building (TBE A 207).

# **UNLV Writing Center**

One-on-one or small group assistance with writing is available free of charge to UNLV students at the Writing Center, https://writingcenter.unlv.edu/, located in the Central Desert Complex, Building 3, Room 301 (CDC 3–301). Walk-in consultations are sometimes available, but students with appointments receive priority assistance. Students may make appointments in person or by calling the Center, telephone 702-895-3908. Students are requested to bring to their appointments their Rebel ID Card, a copy of the instructions for their assignment, and two copies of any writing they have completed on their assignment.

## **Diversity Statement**

As an institution of higher learning, UNLV represents a rich div

affiliation. Please see <u>University Statements and Compliance</u>, https://www.unlv.edu/about/statements-compliance.

A successful learning experience requires mutual respect and trust between the students and the instructor. Accordingly, the instructor asks that students be willing to listen to one another's points of view, acknowledging that there may be disagreements, keep discussion and comments on topic, and use first person, positive language when expressing their perspectives.