

CNST 4265 - Construction Layout and Site Development

Course Description:

Basic techniques for construction layouts, fundamentals and regulations related to land development.

Course Prerequisite:

C or better in CNST 3355.

Course Learning Outcome:

Upon the successful completion of CNST 4265, the students should be able to:

1. Understand horizontal and vertical control monuments.
2. Understand construction base (reference) lines.
3. Understand the basic terminology common to land development.
4. Understand zoning, deed restrictions and ordinances related to land development.
5. Understand basic requirements in construction site preparation.
6. Understand basic requirements for public utilities and pavements

In addition to the learning objectives above, this course emphasizes Ethics, Safety, and Oral/Written Communication.

Textbook:

Practical Manual of Land Development, By; Barbara C. Colley, Published by; McGraw-Hill, Latest Edition

City of Friendswood, Design criteria Manual

Schedule of topics:

<i>Week</i>	<i>Topic</i>
1	Introduction to Construction and Land Development
2	Resources needed for Construction and Land Development
3	Site Analysis and Evaluation
4	Maps and Plans
5	Preliminary Engineering and Design
6	Earthwork and Geotechnical Considerations
7	Roadway and Parking Lot Design
8	Sanitary Sewers
9	Stormwater Drainage
10	Protecting and Conserving Water Resources
11	Water Supply and Distribution Lines
12	Finished Plans and Specifications
13	Construction and Project Management

Academic Honesty:

The instructor reserves the right to adjust letter grades, upward only, based on individual attendance and class participation if numerical grade warrants such consideration. 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. Since dishonesty harms the individual, all students, and the integrity of The University, policies on scholastic dishonesty will be strictly enforced.

Exam Policy:

Exams will include material covered in class discussions and homework assignments. Exam make-up will be given only in the event of a verified emergency or doctor-verified sickness. Assigned problems are to be done on Engineering Pad paper, show your work for all problems. All assignments are due on time; late assignments will not be accepted. The student is responsible for all reading assignments and class handouts whether or not covered in class or listed on the syllabus.

The last day of class is the deadline for students to verify their grades and the accuracy of their score. After this deadline, there will be no consideration for any changes.

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, 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

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

Classroom Behavior

High level of professionalism in the classroom is expected. The instructor has the right to set the rules in his/her classroom. A student does not have the right to make changes to the instructor's way of managing the classroom. Disruptive behaviors, such as excessive talking, arriving late to class, and using unauthorized electronic devices during class is not permitted. Repetitive and seriously disruptive behavior may result in removal from class in accordance with policies and procedures set by the Dean of Students Office.

Course/Instructor Evaluation:

A course/instructor evaluation will be conducted in class during the semester. Any suggestions you have on improving the course, however, are welcome throughout the term

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For detailed information about Disabilities, Religious Holy Days, the Academic Calendar, and Academic Honesty, and other information, please visit the following website:

<http://www.uh.edu/provost/policies/student/resources/>.