

HALT 2310
Advanced Landscape Irrigation

Western Texas College

- I. Basic Course Information:
 - A. Course Description- Advanced applications of landscape irrigation. Topic includes commercial applications of irrigation including athletic fields, golf courses, and large commercial projects. Topics also include equipment, design, performance, troubleshooting, maintenance and repair.
 - B. Required prerequisites-There are no prerequisites for this class.
- II. Student Learning Outcomes:Students must exhibit competency in equipment management, and safety.
 - A. Identify and describe the functions, operations, and maintenance of various types of controllers, pumps, and troubleshooting problems.
 - B. Demonstrate the ability design and draw irrigation plans.
 - C. Illustrate systematic approach to site planning.
 - D. Illustrate knowledge of the laws and regulation of landscape irrigators(Students will learn each of these competencies by written tests, method demonstrations. Students must have a final grade of 60% or above to pass the written exam)
- III. Major Course Requirement:
 - A. Various course assignments
 - B. Four unit tests
 - C. Final exam
- IV. Information on books and other course materials:
 - A. Required Book Texas Landscape Irrigation Training and Reference Manual-Phil Sheppard ISBN# 978-0-9740334-1-9
- V. Other Policies, Procedures: Please refer to the WTC Course [Catalog](#) for the following:
 - A. Policy on Academic Integrity - Cheating and plagiarism are dishonest. Plagiarism (using, stating, offering or reporting as one's own idea, expression or production of another person) carries the penalty of being dismissed from class with a grade of F. A second violation may result in suspension from school. This is also true of cheating on exams and any other activities identified in the student handbook under this heading.
 - B. ADA Statement - Western Texas College is an equal opportunity institution and is in compliance with Americans with Disabilities Act. Any student who has a physical, emotional, or learning disability can apply for accommodations through the Counseling Center. Individual programs are designed to give students with disabilities equal access to all phases of college life.

- C. Special Assistance – If, as a result of disability, a student needs special assistance to participate in a class, the counselor is to be notified immediately so that the prescribed process can be initiated.
 - D. Affirmative Action – Western Texas College is an equal opportunity institution and is in compliance with the Americans with Disabilities Act.
- VI. Course Organization and Schedule
- A. Weekly Course Schedule

Week Number	Section/Online Work
Week 1	Getting Started
Week 2	Review irrigation
Week 3	Review hydraulics
Week 4	Review irrigation design
Week 5	Design
Week 6	Design
Week 7	Design
Week 8	Irrigation components
Week 9	Pipe repair
Week 10	Irrigation repair
Week 11	Troubleshooting equipment
Week 12	Troubleshooting
Week 13	Laws and regulations
Week 14	Laws and regulations
Week 15	Laws and regulations
Week 16	Final Exam

***Class Schedule subject to change.