

Course Syllabus

Department: **Surveying**

Course : **Srvy 1335, 8735 7135 Land Surveying Applications**
Srvy 1341 8740 613 Land Surveying

Start Date 8/27/2012

End Date 12/11/2012

Modality: Face-to-face

Credits: 3,3

Instructor: Paul A. Wilson

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Course Description: Lecture/Lab

A continuation of the introductory triad, 1335 and 1341 are designed to give students a more in-depth understanding of the issues in Land Surveying. Emphasis will be placed on the basic mathematics of surveying and field procedures. Guided hands-on experience will be required for field drawings, use of levels and total stations, GPS data acquisition and processing, correct use of field books, planning and executing survey jobs, job safety, measurement techniques and other basic job skills.

Students who pass this course will have experience in the following types of surveys: Boundary, topographic, elevation certificates, control, boundary research including deed research. Students will be taught the differences and similarities between U.S. Rectangular Survey System and the Texas Survey System. Preparing for the NCEES FS exam is emphasized.

Academic Ethics: Students are expected to do their own work on assignments and take tests without outside assistance. If unethical behavior is detected, by Odessa College Policy, all parties may either be denied credit for the project, or, at the instructor's discretion, the student may be dropped from the course. A report will be made by the chairman for further action as deemed necessary by the department chair.

Required Readings/Materials **Elementary Surveying**, Wolff, Ghilani, 13th edition
Texas Instruments -30 calculator
HP 33 or 35 (optional)
Engineer's scale, protractor and graph Paper
Thumb Drive at least 1 gig
Other materials as assigned