

Course Syllabus CIV 151 Surveying I Lab

Instructor: Kevin Franklin
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Class Location: B 107

Class Time: Mondays 5:00 pm – 7:45

Office Location: TBD

Office Hours: By appointment

Required Text: *Elementary Surveying, An Introduction to Geomatics*, Ghilani & Wolf, 13th ed.

Required Materials: A basic (TI-30 or similar) calculator with trigonometric functions, surveyor's field book, engineers scale, appropriate clothing for autumn evenings in Connecticut

Course Description: This course supports the goals and material of CIV 150 by introducing student to the proper use and care of surveying equipment used in making linear and angular measurements, including tapes, transits, theodolites, levels and total stations. A variety of field related labs will be conducted. Students will prepare lab reports to summarize and document findings.

Course Schedule: See attached Lab Schedule.

Grading: The Survey I lab (this course, CIV 151, 1.5 credits) has a separate grade from the Survey I lecture (CIV 150, 3.0 credits). The student's final lab grade will be based on the following weighted criteria:

Attendance (25%) – Attendance at lab sessions is necessary for students to perform the required “hands-on” work for the course. The required lab reports are based upon the lab sessions. A record of attendance will be kept by the instructor.

Survey Field Book (25%) – A surveyor must maintain a neat, well-documented field book. Students will receive instruction concerning field book methods and entries. Over time, the use of electronic data collectors has automated portions of the documentation process but has not fully replaced traditional survey field books.

Lab Reports (25%) – See attached Lab Report Instructions.

Final Traverse Report (25%) – In the closing weeks of the course, students will utilize the data collected during several lab sessions to prepare a Final Traverse Report. The format will be the same as for the other lab reports and will build upon the skills and computations learned throughout the course.

Lab Policies: If cell phones must be brought to lab, they shall be off and out of sight. No texting is permitted. Students are expected to have a calculator separate from their cell phone. Language and behavior that is disrespectful or disruptive to others is unacceptable. Students should refer to the Student Handbook for additional important school policies.

Academic Integrity – Data compiled in the lab as well as results may be generated by a group of students working as a “field crew”. However, individual lab reports shall be the responsibility of each individual student. Using the work of others without giving proper credit for assignments (plagiarism), or academic dishonesty (as defined by the Student Handbook) is unacceptable. After evaluation of the infraction(s) in a manner consistent with the Student Handbook, a grade of “0” may be assigned.

Disabilities – If you have a visible or hidden disability that may require classroom or test taking modifications you are encouraged to contact Student Services for assessment.