

Course Syllabus CIV 251 Surveying II Lab

Instructor: Kevin D. Franklin, PLS
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Class Location: B 107
Class Time: Mondays 5:00 pm – 7:45

Office Location: TBD
Office Hours: By appointment

Materials: Students should be prepared for each lab session with the following items:

- Textbook - *Elementary Surveying, An Introduction to Geomatics*, Ghilani & Wolf
- Basic calculator (Texas Instruments TI-30 or similar)
- Engineer's field book
- Engineering scale and compass
- Weather-appropriate clothing for outdoor labs

Course Description: This course supports the goals and material of CIV 250 with lab activities that provide students with hands-on surveying experience. Modern technological advances applicable to Survey II topics will be emphasized. Students will be instructed on boundary surveys, land record research, calculating and designing horizontal and vertical curves, subdivision planning, global positioning system surveys, the surveyor's role in construction projects, in addition to a broad range of mapping applications. Understanding and managing allowable error is also a prominent topic all through the course. Students will prepare lab reports to summarize and document their observations.

Schedule: See attached Lab Schedule. Please note that the lab schedule is subject to change in order to maximize available daylight hours, depending on weather conditions and other unforeseen events.

Grading: The Survey II lab (this course, CIV 251, 1.5 credits) has a separate grade from the Survey II lecture (CIV 250, 3.0 credits). The student's lab grade will be based upon the lab reports. Some lab activities may run for 1, 2, or 3 lab sessions in order to complete the required tasks. Grading will be appropriately weighted based upon the extent and complexity of the lab.

Due Dates: Upon completion of a lab, a report is due at the following lab session. The instructor will announce any adjustments to this policy that may result from variations in the lab schedule (see above).

Attendance: Attendance at lab sessions is necessary for students to perform the required work for the course. The lab reports are based upon the lab sessions. If you miss a session, it is expected that you will coordinate with your lab group partners and/or the instructor as appropriate to make up any missed work.

Late Work: Late work is not accepted without prior approval from the instructor. Students are expected to immediately contact the instructor if they do not turn in an assigned lab report on time in order to avoid getting a "0" for the assignment.

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 (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.

Lab Policies: Cell phones and other electronic devices must be kept 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.

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.

Digication Statement: All students are required to maintain a learning portfolio in Digication that uses the Three Rivers Template. Through this electronic tool, students can see their own growth in college-wide learning. The student can keep and continue to use the Digication account after graduation. A Three Rivers General Education Assessment Team will select random works to improve the college experience for all. No names will be attached to the assessment work; it will remain **private and anonymous** for college improvement purposes. The instructor will indicate recommended Digication assignments.