



## Spring 2024 Syllabus

### Course:

SURV-2 (54704) Advanced Land Surveying (credit for 3 units)

SURV-302 (54705) Advanced Land Surveying (noncredit for 0 units)

**Time/ Location:** Mondays 6:00PM to 7:50PM SOC 36

### Instructor:

Lyn T. Bockmiller

Office: Tutorial Center or Zoom

Office Hours: By appointment

Office hours are an opportunity for you to ask me questions about grades, homework, quizzes and exams. Also, I can assist you in developing the skills covered in class. If you are not available during my office hours, please make an appointment, and I'd be happy to meet with you.

Phone: (559) 905-6162

Email: Lyn.Bockmiller@reedleycollege.edu

### Important Dates:

**See this website for all important dates:**

<https://www.reedleycollege.edu/academics/academic-calendar.html>

First day of Spring 2024 semester: 01/08/2024

Deadline to drop for full refund: 01/19/2024

Deadline to add or drop the class to avoid a "W" (withdrawal): 01/28/2024

Last day to drop a full-term class (letter grades assigned after this date): 03/08/2024

No class: 01/15; 02/16; 02/19; 03/25-29

Final Exam: Monday, May 13, 2024 6:00PM to 7:50PM SOC 36

### Materials:

**Required:** Ghalini, *Elementary Surveying: An Introduction to Geomatics* 16<sup>TH</sup> ed., Pearson, ISBN-13: Either hard copy (Amazon.com) or Ebook (Pearson.com or VitalSource.com), 9780136822806

**Description:** This course presents advanced concepts in land surveying theory and calculations and includes equipment, horizontal and vertical curves, introduction to GPS and control surveys for Land Surveyors, topography, public lands, and state plane coordinates. **PREREQUISITES:** Surveying 1 or 301. (A, CSU)

**Repeatability:** SURV-2 may not be repeated after successful completion. SURV-302 is repeatable even after successful completion.

**Course Objectives:** In the process of completing this course, students will:

1. Analyze, determine, and solve geometric relationships within a land surveying context.
2. Explain the use of surveying equipment, tools, and devices used in advanced surveying applications.
3. Apply control for common surveys.
4. Assess and calculate advanced horizontal elements and measurements.
5. Assess and calculate advanced vertical elements and measurements.
6. Evaluate and compute advanced point elevations to create topographic maps.
7. Apply general use of state plane coordinates.
8. Describe the Public Lands Survey System and identify land parcels.

**Course Outcomes:** Upon completion of this course, students will be able to:

1. Perform complex surveying calculations.
2. Analyze advanced surveying field data.

**Grading:** Letter grades are given for SURV-2. Pass/No Pass grades are given for SURV-302. Current grades will be available to students throughout the semester on *Canvas*. Final grades will be calculated as follows:

SURV-302	
Pass (Y)	≥70%;
No Pass (NP)	<70%

SURV-2	
A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	<60%

Categories	Weight
Homework	40%
Exams/Quizzes	40%
Final Exam	20%

**Homework:** Homework will consist of assigned reading, podcasts, and/or online videos, and sometimes message board participation. It is best for students to do the assigned reading before the class lecture so that intelligent discussions can be had, and questions can be answered in class. Some chapters may have assigned problems/questions. Homework is due the following class period after it is assigned.

**Exams/Quizzes:** The date for exams will be announced in advance. The purpose of exams is to assess learning and teaching. The intent is to have a few quizzes throughout the semester, a mid-term, and a Final exam. The lowest quiz score will be dropped.

**Cheating and Plagiarism:** You will receive no credit for an assignment or exam if in the opinion of the instructor you have cheated or plagiarized. Academic Dishonesty is reported to the Dean's office.

**Cheating** is the act or attempted act of taking an examination or performing an assigned, evaluated task in a fraudulent or deceptive manner, such as having improper access to answers, in an attempt to gain an unearned academic advantage. Cheating may include, but is not limited to, copying from another's work, supplying one's work to another, giving or receiving copies of examinations without an instructor's permission, using or displaying notes or devices inappropriate to the conditions of the examination, allowing someone other than the officially enrolled student to represent the student, or failing to disclose research results completely.

**Plagiarism** is a specific form of cheating: the use of another's words or ideas without identifying them as such or giving credit to the source. Plagiarism may include, but is not limited to, failing to provide complete citations and references for all work that draws on the ideas, words, or work of others, failing to identify the contributors to work done in collaboration, submitting duplicate work to be evaluated in different courses without the knowledge and consent of the instructors involved, or failing to observe computer security systems and software copyrights. Incidents of cheating and plagiarism may result in any of a variety of sanctions and penalties, which may range from a failing grade on the particular examination, paper, project, or assignment in question to a failing grade in the course, at the discretion of the instructor and depending on the severity and frequency of the incidents.

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**Class Participation:** Your active participation is key to your success. Some examples of what you will be expected to do include active listening, notetaking, partner and group discussions, and presentations.

**Accommodations for students with disabilities:** If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact the instructor as soon as possible.

**Schedule (subject to change):**

<b>Weeks</b>	<b>Reading</b>	<b>Assignments</b>
1 – 2	Chapters 7 & 12	Reading, Questions, & Discussions

3 - 4	Chapters 24 & 25	Reading, Questions, & Discussions
5 - 6	Chapters 11 & 13	Reading, Questions, & Discussions
7 - 8	Chapters 14-15 & 17	Reading, Questions, & Discussions
9 - 10	Mid-Term and Chapter 19	Reading, Questions, & Discussions
11 - 12	Chapters 20 & 10	Reading, Questions, & Discussions
13 - 14	Chapters 26 & 27	Reading, Questions, & Discussions
15-17	Chapter 22 & 21 & Final Review	Reading, Questions, & Discussions
18	<b>Final Exam</b>	