



## Spring 2024 Syllabus

### Course:

SURV-1L (54702) Introduction to Land Surveying Lab (credit for 1 unit)

SURV-301L (54703) Introduction to Land Surveying Lab (noncredit for 0 units)

**Time/ Location:** Saturdays, 1/27; 2/10; 3/02; 3/16; 4/06; 4/20; 5/04 8:00AM to 3:30PM FNR 7

### Instructor:

Calvin Driskill P.L.S. 9438

Email: calvin.driskill@reedleycollege.edu

### Important Dates:

See this website for all important dates:

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

First day of Fall 2023 semester: 01/08/2024

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

Deadline to 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): 03/06/2024

### Materials:

1. **Required:** One Job Survey Field Books x 6

**Example field books:** [https://www.amazon.com/Elan-Publishing-Company-One-Job-Surveying/dp/B0711TNPSH/ref=pd\\_ci\\_mcx\\_mh\\_mcx\\_views\\_0?pd\\_rd\\_w=jjz5n&content-id=amzn1.sym.0250fb24-4363-44d0-b635-ac15f859c3b5%3Aamzn1.symc.40e6a10e-cbc4-4fa5-81e3-4435ff64d03b&pf\\_rd\\_p=0250fb24-4363-44d0-b635-ac15f859c3b5&pf\\_rd\\_r=CKNF98MZ940BA74V8S3G&pd\\_rd\\_wg=lsge&pd\\_rd\\_r=1891864c-452c-45d3-9774-7fad4f173185&pd\\_rd\\_i=B0711TNPSH](https://www.amazon.com/Elan-Publishing-Company-One-Job-Surveying/dp/B0711TNPSH/ref=pd_ci_mcx_mh_mcx_views_0?pd_rd_w=jjz5n&content-id=amzn1.sym.0250fb24-4363-44d0-b635-ac15f859c3b5%3Aamzn1.symc.40e6a10e-cbc4-4fa5-81e3-4435ff64d03b&pf_rd_p=0250fb24-4363-44d0-b635-ac15f859c3b5&pf_rd_r=CKNF98MZ940BA74V8S3G&pd_rd_wg=lsge&pd_rd_r=1891864c-452c-45d3-9774-7fad4f173185&pd_rd_i=B0711TNPSH)

**Description:** This course presents the fundamentals of land surveying field practice and equipment use, and it includes horizontal, vertical, and angular measurements, errors, traversing, leveling, and stadia. COREQUISITE: SURV-1 or 301. The content of SURV-301, a non-credit course, is identical to that of SURV-1, a credit course.

**Repeatability:** SURV-1L may not be repeated after successful completion. SURV-301L is repeatable even after successful completion.

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

1. Identify proper procedures for the use and handling of surveying equipment.
2. Assess the appropriate equipment for field measurements.

3. Demonstrate the proper use of equipment to measure and determine horizontal elements.
4. Demonstrate the proper use of equipment to measure and determine vertical elements.
5. Perform a field traverse.
6. Demonstrate surveying measurement techniques.

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

- Collect accurate field measurements
- Apply basic surveying principles using the appropriate surveying equipment.

**Grading:** Letter grades are given for SURV-1L. Pass/No Pass grades are given for SURV-301L. Current grades will be available to students throughout the semester on *Canvas*. Final grades will be calculated as follows:

SURV-301L	
Pass (Y)	≥70%;
No Pass (NP)	<70%

SURV-1L	
A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	<60%

Categories	Weight
Attendance and Participation	50%
Field Book Submittals	50%

**Attendance and Participation:** While all lab activities will be completed by a group, it is important that each member have a chance to participate in each step of the process. During the lab session you will be asked to demonstrate the skills required while you are completing the lab.

**Field Book Submittals:** *By the Thursday* before the beginning of the next lab, the previous lab's field book will need to be uploaded along with any other notes/calculations used to complete the lab.

**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.

**Attendance:** Since the class meets only 7 times during the semester, attendance is of the utmost importance. To insure you do not miss out on both Attendance points and Field Book submittal points it is vital you attend every class. Any absences need to be discussed with the Professor as soon as possible to prevent loss of points.

**Attire:** As much of this lab will be performed outdoors, appropriate attire for the field is required. Closed toed shoes are mandatory for the labs.

**Schedule (subject to change):**

Lab 1 (1/27): Pacing calculation/ basic instrument setup Lab

Lab 2 (2/10): Corner Recovery Lab

Lab 3 (3/02): Differential Leveling Lab

Lab 4 (3/16): Angle Measurement Lab

Lab 5 (4/06): Control Traverse Lab

Lab 6 (4/20): Topographic Survey Lab

Lab 7 (5/04): TBD (Possible GPS introduction Lab)