

Surveying Syllabus Fall 2021

PLANE SURVEYING; CEM 263 Fall, 2021

Instructor: David Kidd email: kidd@linnbenton.edu

Office Hours: Tuesday 4:00-5:00pm and 6:00pm to 7:00pm Friday 4:00-5:00pm and 6:00pm to 7:00pm

Class Time: Lectures are online and labs are on the Main Albany Campus Thursday, 3:00 - 5:00 pm in IA237

Course Description and Outcomes: The course will cover theory, computations and field practice for distance measurement, leveling, traversing, and topographic surveying using traditional and GPS equipment. After completing the course, the students will be able to:

1. Describe basic surveying theory
2. Describe proper field surveying techniques
3. Perform surveying calculations
4. Create professional surveying notes
5. Function effectively in a survey crew.

Required:

MTH 111, College Algebra, Familiarity with right angle trigonometry

Text and Supplies:

Surveying Packet, Ed. 3.0

Grading:

Homework 25%

Labs 25%

Quizzes and Exams 50%

A 100% - 90% B 89% - 80% C 79% - 70% D 69% - 60% F 0% - 59%

Labs will be graded on attendance, accuracy, and ability to create professional field notes. Late homework and labs will not be accepted. The total points for Quizzes and Exams will be totaled and an exam percentage calculated. To make up a quiz or exam, a student must contact the instructor before the exam and schedule a make-up exam within one week of returning.

Professionalism: This class prepares students for work in a professional environment. Students are expected to conduct themselves as they would in a professional work situation. This includes, but is not limited to attending and participating in the online class, showing respect for others in the class, and focusing on learning the subject matter.

Final Exam: Tuesday, December 7, 4:30-6:30

Class Schedule

Week Lecture Subject

- 1 Intro, Distance Measurement
- 2 Leveling
- 3 Cross Sectioning, Volume Calculations
- 4 Grade Staking, GPS Intro
- 5 Angles, Bearings, Azimuths
- 6 Midterm
- 7 Traverse Computations
- 8 Coordinate Geometry
- 9 Topographic Surveys
- 10 GPS

WHAT DO EMPLOYERS EXPECT OF ME AS AN EMPLOYEE?

They expect me to:

1. Come to work, everyday ... on time.
2. Make smart decisions.
3. Follow directions.
4. Concentrate on my work and care about the quality of my work.
5. Read, write, and calculate well.
6. Recognize problems and find solutions.
7. Finish a job when I am supposed to without sacrificing quality.
8. Be honest and dependable.
9. Take the lead and work hard.
10. Communicate well and get along with other people ... especially customers.
11. Dress properly and practice good grooming.
12. Be cooperative.
13. Have a positive attitude.

From the Pittsburgh Connection Business/Education/Community

Academic Honesty:

To receive credit, do your own work. Do your own homework and lab writeups. Do not copy other peoples' homework/lab writeups or copy homework problems/lab writeups off of the internet. Your work on exams should be done completely on your own with no help from the internet and/or any other person. Any cheating on homework or tests will result in a zero being assigned for the grade. Students who aid other students who cheat will be also be held responsible.

Disability Services – Meet with Instructor Week One

Students who may need accommodation due to documented disabilities, who have medical information which the instructor should know, or who need special arrangements in an emergency, should speak with the instructor the first week of class. If you have not accessed services and think you may need them, please contact Disability Services, 917-4789

Anti Discrimination Statement: LBCC will not tolerate discrimination based on an individual's race, color, sex (gender), sexual orientation, marital and/or parental status, religion, national origin, age, mental/physical/learning disability, veteran status, personal views regarding safety and health hazards, application for workers' compensation benefits, or any other status protected under applicable federal, state, or local laws.

Student Rights and Responsibilities: Please review your rights and responsibilities (<http://linnbenton.edu/go/studentrights>). If you believe a student is violating your rights, ask to be treated with respect. If that does not cure the situation, report to Associate Dean Dr. Lynne Cox, Takena Hall Rm. 107. If you believe a faculty member or LBCC employee is violating your rights, please report to Human Resources, Scott Rolen, Calapooia Center Rm. 108.

Roadrunner Resource Center: The Roadrunner Resource Center can help you with barriers and disruptions that can come up and keep you from staying in school. This includes assistance with childcare, food, emergency housing, healthcare, taxes, utilities, textbooks and supplies, transportation, and other issues. Resources@linnbenton.edu