**Surveying**; EG4.445; Fall, 2019

**Instructor**: David Kidd, IA 208, Phone: 917-4623 email: kiddd@linnbenton.edu

**Office Hours:** Tuesday, Wednesday, 11:00-11:50 Thursday 11:00-12:50

I am often available during my off hours, stop by or make an appointment.

**Class Time and Room**: T, Th 2:00 - 4:50; IA237

**Course Description and Objectives**: A basic course in surveying. Includes distance measuring, leveling, cross sectioning, traversing, topographic surveying, use of survey instruments, and office procedures. Recommended: MTH95 and familiarity with right angle trigonometry. Upon successfully completing the course, the students will demonstrate the ability to:

1. Perform surveying calculations

2. Create surveying drawings

3. Describe survey field procedures.

**Prerequisites:**

Civil Drafting (EG4.456 or ENGR245), Recommended: MTH95

**Text and Supplies**:

Advanced and Basic Surveying Packet Edition 3.0

Surveying Packet

Clothing for wet and cold weather,

**Grading**:

Homework and Labs 50% A 90% - 100% C 70% - 79%

Exams and Quizzes 50% B 80% - 89% D 60% - 69% F < 60%

Late homework scores will be reduced by 50%. A midterm and a final exam will be given. To make up an exam, a student must contact the instructor before the exam and schedule a make-up exam within one week of returning. Students must attend 80% of the labs and perform basic field operations correctly to receive a passing grade. Evaluations of field work will be made by the instructor during the labs.

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 class, showing respect for others in the class, maintaining a learning atmosphere in class focusing on learning the subject matter, and notifying the instructor of an absence of two or more classes.

**Incompletes**

Incompletes will be handled on a case by case basis, it is the responsibility of the student to discuss the situation with the instructor.

**Final Exam**: Tuesday, December 10; 4:30 – 6:20

**Class Schedule**

**Week Subject**

1 Introduction, Equipment Usage, Boundary Surveys, Traversing

2 Survey Control Leveling, Setting Property Corners

3 Topographic Surveys, Contour maps

4 Grade Staking

5 GPS Surveying

6 Midterm; Boundary Drawings

7 Topo Drawings

8 Cross Sections

9 Volumes

10 Volumes, Review

**Academic Honesty**:

Please work together on homework; but to receive credit. On drafting assignments, each student should create his/her own drawing, **drawing files should not be shared**. 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 and Emergency Planning:** 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 prohibits unlawful discrimination based on race, color, religion, ethnicity, use of native language, national origin, sex, sexual orientation, marital status, disability, veteran status, age, 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**