

Mth 243, Introduction to Statistics, CRN 32980

Winter Term 2019, Tuesday and Thursday, 9 AM to 10:50 AM, WOH 128

Rob Lewis

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Web: <http://cf.linnbenton.edu/mathsci/math/lewisr/web.cfm?pgID=107>

Materials: Course Shell: *MyOpenMath.com*

Course ID: _____ **Enrollment key:** _____

Textbook: Statistics Using Technology by Kathryn Kozak (free in course shell)

Calculator: TI-84 strongly recommended

Course Description: An introductory statistics course emphasizing interpretation of statistical results. The course focuses on sampling procedures, experimental design, descriptive statistics, and inferential statistical techniques to analyze observational and experimental data from a wide range of fields including health care, biology, psychology, physics and agriculture. Includes basic concepts in graphical interpretation of one and two variable data, probability, probability distributions (binomial, uniform, normal, and t-Distribution), confidence intervals for means and proportions, and hypothesis testing.

Prerequisite: MTH 111 College Algebra, MTH 105 Contemporary Math, or equivalent.

Assessment: Only grades of A through F will be assigned, no "Y"s or "WP"s.

Your grade for the course will be based on:

Class Prep = 10%

HWK = 15%

Activities = 15%

Midterm Exam = 30%

Comprehensive Final Exam = 30%

Letter grades will be based on the following scale: 90%+ = A, 80%+ = B, 70%+ = C, 60%+ = D, less than 60% = F

Incomplete Grade: Incomplete grades are issued only on my discretion based on:

- Unusual and verifiable circumstances.
- Satisfactory progress and regular attendance.
- Only one significant component of the course remains to be completed.

A contract for course completion will be signed by both me and you before an incomplete grade is assigned. Incomplete grades are rare.

Student Learning Outcomes

Upon completion of Mth 243, *Introduction to Statistics*, students will be able to:

Outcome 1: Collect, organize, analyze, and interpret data.

Outcome 2: Interpret and calculate basic probabilities.

Outcome 3: Create appropriate designs of observational studies and experiments to address issues in a variety of fields including health care, agriculture, psychology, and physics.

Outcome 4: Apply inferential statistics methods to address issues in a variety of fields.

Class Prep: In order to encourage thinking about the material before coming to class as well as to review past concepts, a short set of questions will be assigned. Class Prep questions are located online in MyOpenMath. Due dates are posted on the course calendar.

Homework: In order to reinforce what we learned in class, online homework will be assigned. Homework questions will consist of mainly online questions and some assigned problems from the text. Questions are located online in MyOpenMath. Due dates are posted on the course calendar.

Activities: Frequently we will learn about statistics by “doing”. It is important to be in class in order to complete these activities. Activities will normally be due at the end of class. If you need more time then make a request. Activities are graded based on degree of completion and reasonableness of answers. Scores on late activities will be reduced by 50%.

Exams: All exams will take place in class. Dates will be announced well in advance. There are no make-up tests. But, your final exam grade can replace the midterm exam grade up to a maximum of 70%. There is no make-up exam for the “Final Exam”. Please, talk to me a week ahead if you have a final exam schedule conflict with another course.

Academic Dishonesty: A report of an incident of academic dishonesty will be reviewed by me and you and sent to the Dean. A zero will be assigned that work. An “F” may be assigned for the course. On second offense, a report and meeting will be arranged with the Dean and a grade of “F” will be assigned.

Our Commitment to You

LBCC is committed to inclusiveness and equal access to higher education. If you have approved accommodations through the Center for Accessibility Resources (CFAR) and would like to use your accommodations in this class, please talk to your instructor as soon as possible to discuss your needs. If you believe you may need accommodation but are not yet registered with CFAR, please visit the CFAR website at www.linnbenton.edu/cfar for steps on how to apply for services or call 541-917-4789.