MTH 243, Online

Introduction to Statistics

Spring 2020

Instructor Information

Instructor Name: Marlon J. Flores

Office: Online   **E- mail:** marlon.flores@linnbenton.edu

Office Hours: Online by appointment

Course Information

Prerequisites: MTH 111 or equivalent.

Day and Hours of Class: Monday, Wednesday 1:00 pm – 2:50 pm, online.

CRN: 40864

Section: 01

Course description: MTH-243 is 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 survey and experimental data from a 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, normal, t-Distribution, and chi-square), confidence interval for means and proportions, and hypothesis testing.

Student Learning Outcomes – MTH 243

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

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

2: Interpret and calculate basic probabilities.

3: Create appropriate designs of observational studies and experiments to address issues in a variety of

fields including healthcare, biology, agriculture, psychology, and physics.

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

Materials: Open Source Textbook and platform, graphic calculator, TI 83 or TI 84 Preferred (not requisite).

Lecture Notes: To be uploaded in to MyOpenMath after class.

Enrolling in the Class Platform: MyOpenMath

1. Go to www.myopenmath.com

2. Click on "Register as a New Student"

3. Enter a username, I recommend using your student ID number

4. Choose and confirm a password, one you will not forget

5. Enter your first and last name, and your e-mail address

6. Enter the Course ID: 16921

7. Enter the Enrollment Key: 40864

Suggestions to succeed in MTH 243

➢ Be on top of emails regarding the class and be present as much as you can on zoom meetings.
➢ E-mail me or try to reach me online when you have a question or opinion.
➢ Be respectful to your classmates.
➢ Do your homework and study beforehand the next section to be considered in your book.
➢ Study daily and be a part of the class.

Grading Policy: Grades will be based on

2 Tests and a Final…………………..……………..60

Homework……………………………………………40

Total……………………………………………………..100

<u>Final Grade Chart:</u>

A……………………………….90-100

B……………………………….80-89

C……………………………….70-79

D……………………………...60-69

F…………………………………0-59

<u>Tests:</u> There will be on test, a midterm and a comprehensive final in this course. Testing will be done online, more details will be provided by instructor. There are no retests. If you for a valid reason must miss a test, you are required to contact your instructor "PRIOR" to the testing time. If you fail to take a test, you will receive a score of 0.

<u>Homework:</u> The homework points (40) will be based on the grades of assignments to be taken in MyOpenMath at home but under the given constraints of time and dates, as well as attempts to solve the exercises considered appropriate by your professor, **You must pay close attention to due date and hour, there will be no exceptions.**

Academic Honesty:
I assume that you are ethical and honest. However, if there is an incident of academic dishonesty (cheating), you will receive a score of zero for that test/assignment and the incident will be reported to the college administration for possible further disciplinary action. If there is a second offense, you will receive a grade of F for the course and the incident will be reported to the college administration with a recommendation for disciplinary action.

Special Circumstances:
Students who have any emergency medical information the instructor should know of, who need special arrangements in the event of evacuation, or students with documented disabilities who may need accommodations, should **make an appointment with the instructor as early as possible, no later than the first week of the term.**

Request for Special Needs or Accommodations
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 the class, please talk to your instructor as soon as possible to discuss your needs. If you believe you may need accommodations but are not yet registered with CFAR, please visit the CFAR Website for steps on how to apply for services or call (541) 917-4789.

LBCC Comprehensive Statement of Nondiscrimination
LBCC prohibits unlawful discrimination based on race, color, religion, ethnicity, use of native language, national origin, sex, sexual orientation, gender, gender identity, marital status, disability, veteran status, age, or any other status protected under applicable federal, state, or local laws. For further information see Board Policy P1015 in our Board Policies and Administrative Rules. Title II, IX, & Section 504: Scott Rolen, CC-108, 541-917-4425; Lynne Cox, T-107B, 541-917-4806, LBCC, Albany, Oregon. To report: linnbenton-advocate.symplicity.com/public_report

Basic Needs
Any student who has difficulty affording groceries or accessing sufficient food to eat every day, or who lacks a safe and stable place to live, and believes this may affect their performance in the course, is urged to contact the Roadrunner Resource Center for support (Resources@linnbenton.edu , 541-917- 4877, or visit us on the web www.linnbenton.edu/rcc or under Student Support for Current Students). This office can help students get connected to resources to help*.

 The instructor reserves the right to make changes to the syllabus/calendar at any time.

Tentative Schedule

Week of	Tuesday	Thursday
06/April	Intro and section 1.1, 1.2	Sections 1.3, 1.4
13/April	Sections 1.3, 1.4 cont	Sections 2.1 and 2.2
20/April	Sections 2.3 and 2.4	Sections 2.5 and 2.6
27/April	sections 2.7, 3.1	Sections 4.1, 4.2
04/May	Section 4.3	Sections 5.1, 6.1
11/May	Section 6.2	Section 7.1
18/May	Sections 8.1, 8.2	Section 8.3
25/May	Chapter 9	Chapter 9 cont.
01/June	Sections 12.1-12.3	Chapter 12 cont. Review for final
08/June	**Finals Week**	**Finals Week**