OREGON INSTITUTE OF TECHNOLOGY
Math 361 – Statistics Methods 1
Summer 2021

Time: Asynchronous   **Location:** Remote
Instructor: Joseph Reid, M.S., MAS, GStat   **Office:** Owens Hall 144
Email: Joseph.Reid@oit.edu   **Office Hours: N/A**

Course Webpage: Course materials will be available via Canvas

Text: OpenIntro Statistics 4th Edition. Diez, Barr and Cetinkaya-Rundel, 2019

Course Description: Descriptive statistics, experimental design, introduction to probability, common probability distributions, random variables, sampling distributions, hypothesis testing and confidence intervals for means using one or two samples, simple linear regression.

Prerequisite: College Algebra (MATH 111) with a grade of "C" or better.

Learning Objectives:

1. Identify types of data, organize and display data.
2. Calculate and interpret numerical measures of data.
3. Determine probabilities.
4. Use statistical methods to make inferences about population parameters.
5. Determine and apply hypothesis tests.
6. Identify regression, methods of sampling and design of experiments.

For more information on learning objectives, please see:
https://www.oit.edu/academics/degrees/applied-mathematics/courses

Course Layout:
The course will consist of the following:

Worksheets	20% of grade (Canvas Unlimited attempts before due date)
Homework	10% of grade (Webwork Unlimited attempts before due date)
Exam 1	20% of grade
Exam 2	20% of grade
Exam 3	30% of grade

If you know that you will be missing an exam for an athletic event or pre-planed medical procedure etc… please contact me ahead of time. **NO MAKE – UPS** for missed quizzes will be given if this is not followed.

Grades:
The grade you receive in MATH 361 will be based on your homework and exam scores as detailed above. Course grades in MATH 361 are **NOT CURVED** but are based on performance. I am prepared to give every student in this class an "A" if every student earns an "A."

The course grade is determined as follows:
A = 90 – 100%
B = 80 – 89%
C = 70 – 79%
D = 60 – 69%
F $\leq$ 59%

Assignments will not be accepted late. Graded homework assignments will be collected on the day/time stated.

Course Policies:

Course Delivery:
Lectures for this course will be pre-recorded and presented for "out of class" viewing according to a schedule provided on Canvas.

Test Day Policy:
During exams, you may not have help from others. You may use course materials that have been provided or your textbook. No internet searches.

Non-Attendance

Teaching faculty are required to report non-attendance during the first two weeks of the term from a class if the student has not attended. Students will be administratively withdrawn from the course based on non-attendance.

Topics/coverage
An addendum to this syllabus will be provided with an exhaustive list of topics, course outcomes, and objectives.