



# COURSE EXPECTATION LETTER

**Subject:**

Math 130

**Email Contact Information:**

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**Catalog Course Description:**

This course is designed for students majoring in business, social sciences, and life sciences. This course provides an overview of descriptive and inferential statistics. The students learn to read, interpret and present data in a well-organized way. This includes frequency distributions, graphs, measures of central tendency and variability, correlation and linear regression. While discussing inferential statistics, the students learn to make generalizations about populations. This includes probability, sampling techniques, confidence intervals, and hypothesis tests.

**Student Learning Outcomes:**

- \* Students critique and interpret data presented in appropriate graphical and/or verbal formats.
- \* From paired data, students will calculate a linear regression line, use the regression line to make a prediction, calculate  $r$  and explain its meaning.
- \* Students will apply correct formulas to find probabilities of compound events involving ORs, ANDs, Complements, and/or At Least Ones.
- \* Students will apply correct techniques to find probabilities involving random variables having a general, binomial, uniform, or normal distribution (including the sample mean and proportion variables).
- \* Students will correctly construct confidence intervals involving the population proportion, population mean, and/or population standard deviation.
- \* Students will correctly perform 1- and 2- population hypothesis tests.
- \* Students will correctly perform Goodness-of-fit, test for independence, homogeneity of proportions, and/or one-way analysis of variance (ANOVA) hypothesis tests.

By logging into Canvas you affirm that you are the student who enrolled in the course(s) and are the person who will complete the assigned work. Furthermore, you agree to follow the regulations regarding academic integrity, personal identification and the use of student information as described in BP 5500 (Standards of Conduct) and AP 5520 (Student Conduct Procedures) which are the Rio Hondo College student conduct codes that govern student rights and responsibilities. You acknowledge that failure to abide by the regulations set forth in BP 5500 and AP 5520 may result in disciplinary action, including expulsion from the college.

This is **NOT** a self-paced course. There are firm deadlines in this class. There are assignments due on a regular basis. Please plan your time carefully!

**Textbook:** Please consult the Bookstore for information at (562) 463-7345 or go to [Rio Hondo College Online Bookstore](#)

Over the course of the semester there will be regular instructor student contact.

**Methods of student contact include:**

- Weekly Announcements and Discussions.
- Comments on grading of quizzes and exams.
- Weekly Office Hours available in person or through zoom.
- Messaging within Canvas, via email and through Homework program.

### **The instructor may drop you for non-participation.**

There will be a one to three business day delay after an add code is used before a student may be able to log on to Canvas.

For students new to online classes, it is highly recommended that you take the Online Orientation through our Online Education website. This will help explain what online classes are like and familiarize you with how the class is laid out. The orientation can be found at: <http://www.riohondo.edu/canvas-orientation/>

Email Responses: Instructors will make every attempt to respond to students in a timely fashion. Responses can take up to 48 hours before a response is received, excluding weekends and holidays.

Disability: A Student with a verified disability may be entitled to appropriate academic accommodations. Please contact your instructor and/or the [Disabled Students & Programs](#) office at 562-908-3420 for more information.

*Modifications and Disclaimer: The instructor reserves the right to modify the content of the course or any course procedure. It is the responsibility of the student to keep apprised of all changes. If the student wishes to drop the class he/she is responsible for initiating the drop. Do not take it for granted that you will be dropped. If you stop working and do not drop the course, you may get an undesirable grade.*

### **Additional Information:**

Course is paced weekly (topics of lessons, homework, discussions and/or quizzes).

Homework has regular due dates and is open for late credit for the entire semester.

Quizzes are open notes, on canvas and 2 attempts are given.

Videos and typed guided notes are provided for each lesson.

There are 3 Exams and 1 Final Exam in the semester - dates of exams are given on 1st day of course - you choose the time that day you would like to take the exam. You are allowed to take the exam at the place of your choosing.

Extra credit is available through exam reviews, discussions/quizzes and additional points on exams.

Required & highly recommended materials include: Computer with good internet connection to access Canvas and materials, Printer to print out lesson guided notes and exams, and TI 83 or TI 84 graphing calculator (rentals available).