Math 140 Online (22672)
Pre Statistics
5 units

Fall 2017: Saturday, 8/26/17 to Saturday, 12/16/17

Labor Day Holiday	**Monday September 4, 2017**
Thanksgiving Holiday	**Thursday, November 23 to Saturday, November 25, 2017**

Online Class: Canvas Class Site
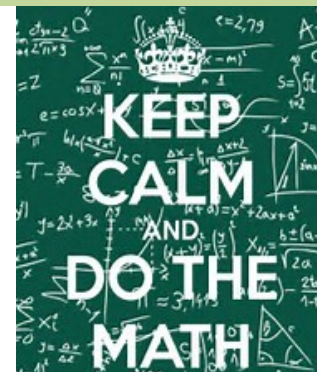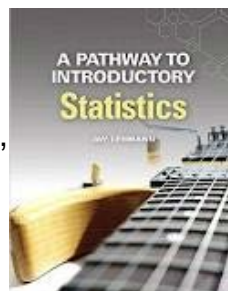
https://citruscollege.instructure.com/login/saml

> MyMathLab Homework System
> **(2 week free trial)**
> Available through our Canvas
> Course Management System

Textbook - A Pathway to Introductory Statistics,
bundled with MyMathLab, Lehmann, Jay, Pearson, 2015,
ISBN: **9780134310046**
Other Materials:
Scientific Calculator Required
(Graphing Calculator [such as TI-83/84]

Contact information for Professor Victoria Dominguez:

Office Hours in MA 218:
M 12:00-1:30pm
TWR 12:00-1:00pm

(626) 857-4004

vdominguez@citruscollege.edu

Grading Policy

Homework Assignments (36 @ 10 points each)	**360 points**
Quizzes (10 @ 20 points each)	**200 points**
Exams (4 @ 100 points each)	**400 points**
Discussion Board Posts (10 @ 10 points each)	**100 points**
Final Exam	**200 points**
TOTAL POINTS	***1260 points***

A 90% to 100%
   1134 to 1260 points
B 80% to 89.9%
   1008 to 1133 points
C 70% to 79.9%
    882 to 1007 points
D 60% to 69.9%
    756 to 881 points
F less than 60%
   Less than 756 points
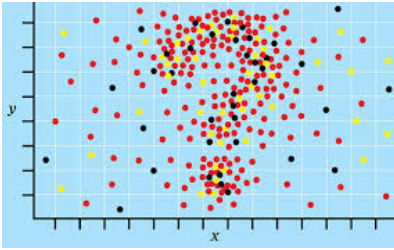
Class Details

COURSE DESCRIPTION

This course is an introduction to statistics and probability, descriptive analysis and presentation of data, hypothesis testing, statistical inference, normal distribution, chi-square distribution and applications in diverse disciplines.

This online class uses the Canvas environment. You can access Canvas on any Citrus computer or your own computer. Phones should not be used for access is limited. Materials for this Math 140 course are located at the Canvas site: http://citruscollege.Canvas.com

PREREQUISITE

A grade of "C" or better in Math 025 (Arithmetic and PreAlgebra), or a grade of "C" or better in Math 029 (PreAlgebra), or a grade of "C" or better in equivalent courses.

STUDENT LEARNING OUTCOMES

Upon completion of this course, students should be able to:
1. Demonstrate proficiency in writing and interpreting standard statistical and algebraic notation.
2. Calculate measures such as the mean, standard deviation, correlation coefficient, and others needed to perform descriptive and inferential statistics accurately as well as perform standard operations to simplify algebraic expressions and solve algebraic equations.
3. Use standard techniques in working with statistics and probability, descriptive analysis, collection and presentation of data, normal curve, algebraic expressions, and applications in diverse disciplines along with simultaneously demonstrating scholarly behavior in all class interactions.

COURSE OBJECTIVES

1. Perform operations and evaluate expressions.
2. Design observational studies and experiments.
3. Construct tabular and graphical displays of data.
4. Summarize data numerically.
5. Compute probabilities.
6. Describe associations of two variables graphically.
7. Graph equations of lines and linear models.
8. Compute the rate of change and slope of a line.
9. Solve linear equations and inequalities.
10. Find equations of linear models to make predictions.

Please note THIS IS A 4 UNIT COURSE AND if you are dropped from any class after the drop date OR fail to participate, you will receive an FW. Failure to participate includes missing ANY 4 assignments, quizzes, tests, or other graded activities in the class. Note that an FW affects your financial aid. Also, coverage on your parent's health insurance might be affected as well. Please be sure you are aware of the consequences of your actions should you decide to limit your participation.

"DROP DATE" RESPONSIBILITY: Should you decide not to complete the class or participate in the class (for any reason), you must take responsibility for processing 'drop' documents (available in Admissions and Records office) PRIOR TO THE DROP DATE. Failure to drop the class formally will result in a grade of "F" or 'FW' for the class. The instructor has the right to drop students who have missed 4 assignments or are NOT participating in the online class.
The last day to drop without record (no W) is 9/10/17.
The last day to drop with a W is 10/30/17.

I recommend that you follow the calendar provided to keep yourself organized for this course. Sometimes it seems easy in a DE course to forget to do the work since you are NOT meeting face to face in a classroom. However, in a DE course, you must **PROVE** that you covered the material. This is a 5 unit course you will be taking in 16 weeks. **You should be able to demonstrate 7-9 hours per week of active online engagement in this DE course just as if you were attending a face to face class!** This means that there are at least 7 hours of online work in each module—not including reading the assigned textbooks. Discussion posts, written assignments, PowerPoints and videos all constitute active engagement in this course. You will receive your online hours of engagement weekly and these will be posted in your gradebook. [Just checking your grade or signing in is NOT engagement!]

Course Expectations

1. **All exams are taken at the campus Distance Education Testing Center (IS 107). See the Weekly Class Schedule for due dates.**

2. **If you are having difficulty with the course, please don't wait to get help.** <u>It is up to you to reach out for help.</u> *Statistics can be difficult, but it's not impossible. You can get help with this class in several ways:*

    a. *Attending my on-campus office hours (listed on page 1). No appointment is necessary for office hours visits.*

    b. *Attending my on-campus Math 140 course to sit-in on the lectures (after week 3, there will be a seat for you!). Please let me know if you are planning to attend my class, and I can give you the details such as the class schedule, class time and location.*

3. *The ED building has two tutoring centers: The Math Success Center and the ED Tutoring Center. Their hours will be posted by week 2 as a Canvas announcements and emailed to your Citrus College email address.*

4. *It is expected that all students will have access to their own computer or a computer at Citrus College. Because this is an online class, all classwork is completed in either Canvas or MyMathLab.*

5. <u>*It is expected that all students will check their Citrus College email each day*</u>*. Class emails are sent to your Citrus College email address.*

6. *Coursework is listed in Canvas using weekly course modules. These course modules will list all assignments in both Canvas (Lessons and Discussion Board postings) and MyMathLab (reading, watching videos, weekly quizzes and weekly homework). I recommend that you review the Canvas course calendar weekly, so you are aware of due dates and weekly course work. The Week 1 and 2 course modules will open on the first day of the term; remaining course modules will open on Wednesdays at 12:00am, and will close 1 ½ weeks later Sunday at 11:55pm*

7. *There are __no__ due date extensions in this online class. It's important for students to be self-motivated to succeed in an online class.* I know you can do this!

8. *I give what are called ReDo assignments for each of the three exams in this class. If students complete the ReDo assignments with a score of 80% or more, you are eligible to rework your exams and return them to me (in person or via email by scanning in your ReDo work) for 15 more points per exam.* **The ReDo assignments act as a study guide for the upcoming exam.** *I strongly encourage you to complete all ReDo assignments by the due date, so you will qualify for the 15-point ReDo for the exams.*

Academic Honesty

It is the policy of Citrus College that all academic work submitted by a student should be original work. Cheating and plagiarism are causes for formal counseling and may lead to disciplinary measures and possible dismissal from Citrus College. Any aids used during assessments without instructor approval (for example extra notes, homework problems, and review problems) will result in a score of 0 on the quiz or exam, and may also result in further disciplinary action. Any assistance on an exam by another student may also lead to disciplinary action.

Weekly Class Schedule
Canvas Unit 0 Module

<u>**OPEN Saturday 8/26 12:00AM,
CLOSE Sunday 9/10 11:55 pm**</u>

Attend <u>one</u> of the following for *20 points extra credit*:

1. A 1-hour online Orientation Session (details emailed to registered students and posted on the Canvas Announcements page for ALL students)

Tuesday 8/29/17 2:00-3:00pm
OR Wednesday 8/30/17 6:00 to 7:00pm
OR

2. Visit my office hours (in person) during Week 1 of the Fall 2017 semester (Monday, 8/28-Thursday, 8/31, 2017)

<u>**Assignments (found in the Canvas Week 1 Module)**</u>

- Watch videos to encourage a positive mindset for this online class
- Complete the Online Course Readiness Tutorials
- Send your instructor an email
- Carefully read the Math 140 DE Syllabus and take the Syllabus Quiz
- Enroll in REMIND *(10 points Extra Credit in the Canvas gradebook)*
- Complete Homework MyMathLab Orientation Video and MyMathLab Orientation Homework Assignment in MyMathLab Homework
  - ▸ The first time you access the MyMathLab homework in Canvas, you will be prompted to enroll in the 14-day free trial, to enter an Access code (bundled with the textbook) or to purchase access online using a credit card.
- Complete Quiz #1: MyMathLab Getting Ready in MyMathLab Homework
- Ice Breaker Discussion Board #1 Activity
- Review the Unit 0 Wrap-Up (to make sure you completed everything)
- This is a good time to look at the Canvas Gradebook. If you are using the Canvas App to view your grades, make sure to shut down and restart the app often so grades will update. Grades will be updated weekly, along with your total points and your percentage in the class to date.

Canvas Unit 1 Module

<u>**OPEN Saturday 8/26 12:00AM, CLOSE Sunday 9/10 11:55 pm**</u>

<u>**Assignments (found in the Canvas Week 2 Module)**</u>

- Read the textbook and watch Chapter 1 videos (Sections 1.1, 1.2, 1.3 and 1.7) in MyMathLab Homework
- Complete Homework Sections 1.1, 1.2, 1.3 and 1.7 in MyMathLab Homework (5 tries per problem)
- *Start on Exam #1 ReDo Assignment for Chapters 1&2 in MyMathLab Homework* (due 9/18/17 12:01am)
- Complete Quiz #2 Chapter 1 in MyMathLab (2 tries)
- Complete Discussion Board Posting for Chapter 1
- Review the Unit 1 Wrap-Up (to make sure you completed everything)

Canvas Unit 2 Module

<u>**OPEN Wednesday 9/6 12:00AM, CLOSE Sunday 9/17 11:55 pm**</u>

<u>**Assignments (found in the Canvas Week 3 Module)**</u>

- Read the textbook and watch Chapter 2 videos (Sections 2.1, 2.2 and 2,3) in MyMathLab Homework
- Complete Homework Sections 2.1, 2.2 and 2.3 in MyMathLab Homework
- *Continue Exam #1 ReDo Assignment for Chapters 1&2 in MyMathLab Homework* (due 9/18/17 12:01am)
- Complete Quiz #3 Chapter 2 in MyMathLab (2 tries)
- Complete Discussion Board Posting for Chapter 2
- Review the Unit 2 Wrap-Up (to make sure you completed everything)

Canvas Unit 3 Module

OPEN Wednesday 9/13 12:00AM, CLOSE Sunday 9/24 11:55 pm

Assignments (found in the Canvas Week 4 Module)
- Read the textbook and watch Chapter 3 videos (Sections 3.1, 3.2 and 3.3) in MyMathLab Homework
- Complete Homework Sections 3.1, 3.2 and 3.3 in MyMathLab Homework
- *Exam #1 ReDo Assignment for Chapters 1&2 in MyMathLab Homework is due 9/18/17 12:01am*
- **EXAM #1 Chapters 1&2 OPENS Monday 9/18, CLOSES Wednesday 9/20 in the Testing Center**
- Review the Unit 3 Wrap-Up (to make sure you completed everything)

Canvas Unit 4 Module

OPEN Wednesday 9/20 12:00AM, CLOSE Sunday 10/01 11:55 pm

Assignments (found in the Canvas Week 5 Module)
- Read the textbook and watch Chapters 3&4 videos (Sections 3.4, 3.5, 4.1 & 4.2) in MyMathLab Homework
- Complete Homework Sections 3.4, 3.5, 4.1 & 4.2 in MyMathLab Homework
- Complete Quiz #4 Chapter 3 Sections 3.1-3.5 in MyMathLab (2 tries)
- Complete Discussion Board Posting for Chapter 3
- Review the Unit 4 Wrap-Up (to make sure you completed everything)

Canvas Unit 5 Module

OPEN Wednesday 9/27 12:00AM, CLOSE Sunday 10/08 11:55 pm

Assignments (found in the Canvas Week 6 Module)
- Read the textbook and watch Chapters 4&5 videos (Sections 4.3, 5.1 & 5.2) in MyMathLab Homework
- Complete Homework Sections 4.3, 5.1 & 5.2 in MyMathLab Homework
- Complete Quiz #5 Chapter 4 Sections 4.1, 4.2 and 4.3 in MyMathLab (2 tries)
- *Start on Exam #2 ReDo Assignment for Chapters 3&4 in MyMathLab* Homework *(due 10/16/17 12:01am)*
- Complete Discussion Board Posting for Chapter 4
- Review the Unit 5 Wrap-Up (to make sure you completed everything)

Canvas Unit 6 Module

OPEN Wednesday 10/04 12:00AM, CLOSE Sunday 10/15 11:55 pm

Assignments (found in the Canvas Week 7 Module)
- Read the textbook and watch Chapter 5 videos (Sections 5.3 and 5.4, skip 5.5) in MyMathLab Homework
- Complete Homework Sections 5.3 and 5.4 in MyMathLab Homework
- Complete Quiz #6 Chapter 5 Sections 5.1, 5.2, 5.3 & 5.4 in MyMathLab (2 tries)
- *Continue Exam #2 ReDo Assignment for Chapters 3&4 in MyMathLab* Homework *(due 10/16/17 12:01am)*
- Complete Discussion Board Posting for Chapter 5
- Review the Unit 6 Wrap-Up (to make sure you completed everything)

Canvas Unit 7 Module

OPEN Wednesday 10/11 12:00AM, CLOSE Sunday 10/22 11:55 pm

Assignments (found in the Canvas Week 8 Module)
- *Finish Exam #2 ReDo Assignment for Chapters 3&4 in MyMathLab* Homework *(due 10/16/17 12:01am)*
- **EXAM #2 Chapters 3&4 OPENS Monday 10/16/17 9:00AM, CLOSES Wednesday 10/18/17 6:00PM in the Testing Center**
- Review the Unit 7 Wrap-Up (to make sure you completed everything)

Canvas Unit 8 Module

OPEN Wednesday 10/18 12:00AM, CLOSE Sunday 10/29 11:55 pm
Assignments (found in the Canvas Week 9 Module)
- Read the textbook and watch Chapter 6 videos (Sections 6.1, 6.2 and 6.3) in MyMathLab Homework
- Complete Homework Sections 6.1, 6.2 and 6.3 in MyMathLab Homework
- *Start Exam #3 ReDo Assignment for Chapters 5 & 6 in MyMathLab* Homework *(due 11/06/17 12:01am)*
- Quiz #7 Chapter 6, Sections 6.1, 6.2 and 6.3 in MyMathLab (2 tries)
- Complete Discussion Board Posting for Chapter 6
- Review the Unit 8 Wrap-Up (to make sure you completed everything)

Canvas Unit 9 Module

OPEN Wednesday 10/25 12:00AM, CLOSE Sunday 11/05 11:55 pm
Assignments (found in the Canvas Week 10 Module)
- Read the textbook and watch Chapter 7 videos (Sections 7.1, 7.2, 7.3 & 7.4) in MyMathLab Homework
- Complete Homework Sections 7.1, 7.2, 7.3 & 7.4 in MyMathLab Homework
- *Continue Exam #3 ReDo Assignment for Chapters 5 & 6 in MyMathLab* Homework *(due 11/06/17 12:01am)*
- Quiz #8 Chapter 7 in MyMathLab (2 tries)
- Complete Discussion Board Posting for Chapter 7
- **Next week: EXAM #3 Chapters 5&6 OPENS Monday 11/06/17 9:00AM, CLOSES Wednesday 11/08/17 6:00PM in the Testing Center**
- Review the Unit 9 Wrap-Up (to make sure you completed everything)

Canvas Unit 10 Module

OPEN Wednesday 11/01 12:00AM, CLOSE Sunday 11/12 11:55 pm
Assignments (found in the Canvas Week 11 Module)
- *Finish Exam #3 ReDo Assignment for Chapters 5 & 6 in MyMathLab* Homework *(due 11/06/17 12:01am)*
- **EXAM #3 Chapters 5&6 OPENS Monday 11/06/17 9:00AM, CLOSES Wednesday 11/08/17 6:00PM in the Testing Center**
- Review the Unit 10 Wrap-Up (to make sure you completed everything)

Canvas Unit 11 Module

OPEN Wednesday 11/08 12:00AM, CLOSE Sunday 11/19 11:55 pm
Assignments (found in the Canvas Week 12 Module)
- Read the textbook and watch Chapter 8 videos (Sections 8.1, 8.2 and 8.3) in MyMathLab Homework
- Complete Homework Sections 8.1, 8.2 and 8.3) in MyMathLab Homework
- *Start Exam #4 ReDo Assignment for Chapters 7&8 in MyMathLab Homework (due 11/27/17 12:01am)*
- Review the Unit 11 Wrap-Up (to make sure you completed everything)

Canvas Unit 12 Module

OPEN Wednesday 11/15 12:00AM, CLOSE Sunday 11/26 11:55 pm

Assignments (found in the Canvas Week 13 Module)
- Read the textbook and watch Chapter 8 videos (Sections 8.4 and 8.5) in MyMathLab Homework
- Complete Homework Sections 8.4 and 8.5 in MyMathLab Homework
- Quiz #9 Chapter 8 Sections 8.1-8.5 in MyMathLab (2 tries)
- Complete Discussion Board Posting for Chapter 8
- *Continue Exam #4 ReDo Assignment for Chapters 7&8 in MyMathLab Homework (due 11/27/17 12:01am)*
- Review the Unit 12 Wrap-Up (to make sure you completed everything)

Canvas Unit 13 Module

OPEN Wednesday 11/22 12:00AM, CLOSE Sunday 12/03 11:55 pm

Assignments (found in the Canvas Week 14 Module)
- *Finish Exam #4 ReDo Assignment for Chapters 7&8 in MyMathLab Homework (due 11/27/17 12:01am)*
- **EXAM #4 Chapters 7&8 OPENS Monday 11/27/17 9:00AM, CLOSES Wednesday 11/29/17 6:00PM in the Testing Center**
- Review the Unit 13 Wrap-Up (to make sure you completed everything)

Canvas Unit 14 Module

OPEN Wednesday 11/29 12:00AM, CLOSE Sunday 12/10 11:55 pm

Assignments (found in the Canvas Week 15 Module)
- Read the textbook and watch Chapter 9 videos (Sections 9.1 & 9.2) in MyMathLab Homework
- Complete Homework Sections 9.1 & 9.2 in MyMathLab Homework
- *Start Final Exam Study Guide Assignment in MyMathLab Homework (due 12/11/17 12:01am)*
- Review the Unit 14 Wrap-Up (to make sure you completed everything)
- **REMINDER: FINAL EXAM Chapters 1-11 OPENS Monday 12/11/17 9:00AM, CLOSES Wednesday 12/13/17 6:00PM in the Testing Center**

Canvas Unit 15 Module

OPEN Wednesday 12/06 12:00AM, CLOSE Saturday 12/16 11:55 pm

Assignments (found in the Canvas Week 16 Module)
- Read the textbook and watch Chapter 9 videos (Section 9.3) in MyMathLab Homework
- Complete Homework Section 9.3 in MyMathLab Homework
- Complete Quiz #10 Chapter 9 (Sections 9.1-9.3) in MyMathLab (2 tries)
- *Finish Final Exam Study Guide Assignment in MyMathLab Homework (due 12/11/17 12:01am)*
- **FINAL EXAM Chapters 1-11 OPENS Monday 12/11/17 9:00AM, CLOSES Wednesday 12/13/17 6:00PM in the Testing Center**
- Review the Unit 15 Wrap-Up (to make sure you completed everything)

That's all folks!