

STAT 1035 – 002: Elementary Statistics II
(Fall 2019)

Instructor: Shun Dong

Office: Room 538 in 2925 Campus Green Drive

Office hours: T, Th 5:00-6:00pm

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Text: “Introduction to the Practice of Statistics”, 9th edition; David S. Moore, George P. McCabe & Bruce Craig.

Prerequisites: Knowledge of high school algebra. Score of 420 or above on the Math Placement Test is strongly recommended. Have taken the following Courses 15MATH148 min grade C-, or 15MATH148H min grade C-, or 15STAT148 min grade C-, or 28MATH148 min grade C-, or 34MATH148 min grade C-, or 34STAT148 min grade C-, or STAT1034 min grade C-.

Description: An introduction to inferential statistics for students without a calculus background. The course covers one and two-sample hypothesis tests for means and proportions, chi-squared tests, linear regression, analysis of variance, and non-parametric tests based on ranks, with attention to selecting the procedure(s) appropriate for the question and data structure, and interpreting the results.

Attendance: Please plan to attend all classes: be on time; do not leave early; and turn off your cell phones.

MASS Center: One-on-one & study-table tutoring help is offered by the Math And Science Support (MASS) center of the Learning Assistance Center (LAC). Visit the website: <http://www.uc.edu/masscenter.html>

Exam & Grading: Your final grade will be determined on the following basis:

- a. 50% from the average of the 3 highest scores out of the following 4 scores: 3 tests & the comprehensive final exam
- b. 30% from homework and/or quizzes with the lowest 2 scores dropped
- c. 20% from the comprehensive final exam

Numerical averages may be converted into letter grades using the following:

A- to A	90 – 100
B- to B+	80 – 89
C- to C+	70 – 79
D- to D+	60 – 69
F	less than 60

You will be able to estimate your course grade and evaluate your options by using the “Grade Calculator” spreadsheet posted in Blackboard under “Course Documents”.

An “I” (Incomplete) will be given only to those students who cannot complete the course due to some very serious problem or illness.

A grade of “C-” or better is needed to move on to STAT 1035.

Make-ups: **NO MAKE-UPS will be given for tests, quizzes or homework.** Make-up for the final exam will be given only in very special situations and must be approved in advance of the final.

Withdrawals: March 23th is the last day to withdraw from the class. If you withdraw, I will be required to affirm whether or not you minimally participated in the class. Although I will do my best to answer accurately, *in the absence of any evidence to the contrary, I will affirm that you did **not** minimally participate.* Ways for you to provide clear evidence of your presence in the class would include completing a homework assignment, taking a test, etc. Other important dates are contained on the following webpage: http://www.uc.edu/content/dam/uc/registrar/docs/calendars/spring_2018_dates_deadlines.pdf

General Education and Competencies: This course was designed following the guidelines of the University of Cincinnati General Education Program. It satisfies the Quantitative Reasoning Breath of Knowledge. The course addresses the Critical Thinking, Effective Communication, Knowledge Integration, and Information Literacy Baccalaureate Competencies.

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Academic Integrity: The University Rules, including the Code of Conduct, and other documented policies of the department, college, and university related to academic integrity, will be enforced. Any violation of these regulations, including acts of plagiarism or cheating, will be dealt with on an individual basis according to the severity of the misconduct.

Special Needs Policy: Students with special needs should meet with the instructor as soon as possible to arrange for reasonable provisions to ensure an equitable opportunity to meet all of the requirements of this course. At the discretion of the instructor, some accommodations may require prior approval by Disability Services.

Blackboard / Electronic Communications: Blackboard will be used to post pertinent class information including the syllabus, announcements, graded homework, test review sheets, and other course documents used in class. For problems with Blackboard, immediately contact Blackboard support at 513–556–1602.

Calculator: A calculator or its equivalent that will perform TWO-variable statistical functions (e.g., TI-83, TI-84) is required for this class. Manuals detailing how to use a TI-83/84 and Excel for the course are posted on Blackboard under “Course Documents”. **Calculators and other resources may not be shared during tests or exam. All wireless network capable devices, e.g., PCs, phones, must be off and should not be visible during tests or exams.**

Course Schedule: We will cover Chapters 7 – 13 and tentatively cover the material weekly will be announced later.

Homework: There will be homework assigned every week (from week two). You need to write your answers on paper and hand in in class. **NO LATE homework** will be accepted.