MATH 114

Instructor: Christopher Kuo, ckuo0602@usc.edu

Lectures:	Section 39413R: MWF 11-12, SLH 200
TA Sections:	$39414\mathrm{R}$ and $39415\mathrm{R}$ by Hanjue, hanjuepa@usc.edu, TBD, KAP 263
Office Hours	Christopher Kuo, KAP 262B, MW, 955-1045

Course Website: Blackboard.

Course Description: The students will learn the foundation of statistics. Some materials we will cover descriptive statistics; probability; expected value; normal approximation sampling; chance models; tests of significance.

Prerequisite(s): MATH 040x or math placement exam.

Textbook: Introduction to Statistical Investigations, Tintle, Chance, Cobb, Rossman, Roy, Swanson, VanderStoep, 2nd Edition, ISBN: 978-1-119-68356-8.

Grade Distribution:

We will not curve the individual exams. Letter grades by default will be given based on the standard 10-points intervals (A-A-: 90%, B+-B-:80%, etc.) although depending on the distribution of the class, the final grade can be curved (up in your favor.) The following is the default distribution of the percentage:

Assignments 20%, Midterm Exams 40%, Final Exam 40%.

However, to encourage, one can earn up to 10 % of their scores from Participation in discussion sections to replace Exam scores. For example, in case one earns 6% from Participation, their distribution becomes

Assignments 20%, Participation 6%, Midterm Exams 37%, Final Exam 37%.

Assignments: Assignments will be announced each Friday in Blackboard. They will be due on the following Tuesday and they will have to be submitted to Gradescope. Whether make-ups are allowed will be determined by the TA and will have to be submitted before the following Tuesday. Assignment scores will be determined by completeness.

Participation: Discussion sections happen on Tuesday and Thursday during which you will be able to do activities in small groups. Please note that this is an in-class item and make-up is thus not possible.

Midterms and Finals: Make-ups will not be provided except for the case of personal or medical emergency. When such incidences occur, the students should inform the instructor as soon as possible. We do not drop exams but we will consider adjusting the final grades in case there is significant improvement in later exams.

The midterms are scheduled tentatively on 09/27 and 11/01 during the lectures on Wednesdays. Please follow the campus website. for the final exam schedule.

Online resource: Once you purchase access to WileyPLUS, you'll access information pertaining to the textbook applets, datasets, and other materials including practice problems and videos. You can do this through the link on blackboard (where you'll also be able to access the materials after purchase) or directly from https://www.wileyplus.com. The integration code is aadc9658-b577-4838-a0f3-d4a11d755239.

Accommodation:

Extra accommodation will only be provided based on the official document from the Office of Student Accessibility Services OSAS. Students with such documents should submit it to the instructor in the earliest possible to prevent delay.

Tentative Course Schedule:

The weekly coverage might change as it depends on the progress of the class. However, you must keep up with the reading assignments.

Week	Content
Week 1, 08.21 - 08.25	Preliminary chapter
Week 2, 08.28 - 09.01	Section 1.1-3.
Week 3, 09.04 - 09.08	Section 1.4-5, 2.1.
Week 4, 09.11 - 09.15	Labor Day (09.04). Section 2.2-3.
Week 5, 09.18 - 09.22	Section 2.4, 3.1-2.
Week 6, 09.25 - 09.29	Section 3.3-4. Midterm 1 (09.27)
Week 7, 10.02 - 10.06	Section 4.1-2, 5.1.
Week 8, 10.09 - 10.13	Section 5.2-3. Fall Recess (10.12-13)
Week 9, 10.16 - 10.20	Section 6.1-3.
Week 10, 10.23 - 10.27	Section 7.1-3.
Week 11, 10.30 - 11.03	Section 8.1-2. Midterm 2 (11.02)
Week 12, 11.06 - 11.10	Section 8.3, 9.1. Veterans Day (11.10)
Week 13, 11.13 - 11.17	Section 9.2, 10.1-2.
Week 14, 11.20 - 11.24	Section 10.3. Thanksgiving (11.22-11.24)
Week 15, 11.27 - 12.01	Section 10.4-5. Review.