Gold QTRS Maroon CS

STP 226: Elements of Statistics

Section: 80174 **Class Room:** Poly – SANCA135 **Times:** MW, 3:00-4:15 pm

Instructor: David Oakes **Phone:** (480)727-2755 **E-mail:** djoakes@asu.edu

Office: Wanner 240M **Hours:** M-F, 10:00-10:50 am, or by appt.

Text: "Essential Statistics", William Navidi and Barry Monk, 3rd Edition, McGraw-Hill. A MyLabMath subscription to do the Homework, which includes an e-text, will automatically be charged to you as a class fee.

Calculators: A graphing calculator is required and necessary for this course. The recommended model is the TI-84, but any graphical calculator that performs statistical hypothesis tests (such as the TI-83, TI-Inspire, Casio FX9750GII, etc.) will be sufficient.

Homework: Online homework will be completed through ALEKS. All Homework must be done through Canvas to ensure proper credit.

Group Work: There will be a minimum of three (3) in-class activities at random times during the semester. THESE IN-CLASS ACTIVITES CAN NOT BE MADE UP.

Testing: There will be three (3) in-class exams. All exams will be given on their scheduled day during the normal class period, unless prior arrangements have been made by the instructor. During the exams you will be allowed to use a calculator and a note card provided by the Instructor and filled out by you. You will NOT be allowed to use books, computers, phones, or any other resources during the exams.

Project: Each student will turn in a Final Project performing unique and appropriate analysis on a novel data set. The data will include at least one Categorical variable. A Preliminary proposal and initial Data Set will be turned in during the semester, with a Final Paper due at the end.

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Grading: You will be graded according to the following weights and scale:

Graded Item	Percentage
Exams	60%
Homework/ Group Work	20%
Project	20%

Grade	Grading Scale
A+	97% or above
A	90% – 96.99%
A-	89.5% – 89.99%
B+	87% – 89.49%
B	80% – 86.99%
B-	79.5% – 79.99%
C+	77% – 79.49%
C	70% – 76.99%
D	60% – 69.99%
E	59.99% or below
XE	Academic Dishonesty

Attendance: Attendance will not be taken for grade. YOU WILL NOT BE WITHDRAWN FOR EXCESSIVE ABSENCES. If you require a W for the class, you must request it through MyASU. YOU MUST MAKE THIS REQUEST BEFORE THE WITHDRAWAL DEADLINE TO RECEIVE A W.

Accommodations: Reasonable accommodations will be made for any prior existing circumstances, such as learning disabilities or the scheduled events of work, school, family, or faith. However, make-up Tests may not be arranged after the scheduled date for the exam and Projects may not be submitted for grade after the due date without prior approval. Please contact me BEFORE if you have any concerns.

This course is offered by the College of Integrative Science and Arts. For more information about the school, visit our website: https://cls.asu.edu/. If you have questions or concerns, please send your inquiry to cisa@asu.edu.

This course fulfills the ASU Quantitative Reasoning General Studies requirement. Students completing a Quantitative Reasoning course will be able to:

1. Understand variables, measurement and data, including how they can be used to pose and answer questions about society and nature, and to manipulate, organize, classify and visualize quantitative data.

2. Evaluate arguments from everyday life or academic fields of study that are represented mathematically, statistically, computationally, or in visualizations.

3. Formulate hypotheses, mathematical models or narratives that are consistent with quantitative data.

4. Communicate how quantitative data, interpretations, or models are connected to outcomes, predictions, decisions, explanations, or future states.

5. Effectively employ one or more digital tools to demonstrate quantitative reasoning, interpretations of calculations, or the creation and evaluation of visualizations.

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Mon.	Tues.	Wed.	Thurs.	Fri.
8/18	**8/19**	**8/20**	**8/21**	**8/22**
8/25 Syllabus, ALEKS	**8/26**	**8/27** 1.1, 1.2	**8/28**	**8/29**
9/1 **Labor Day** **No Class**	**9/2**	**9/3** **Last Day to Drop** 1.3, 1.4	**9/4**	**9/5**
9/8 2.1, 2,2	**9/9**	**9/10** 2.3, 2.4	**9/11**	**9/12**
9/15 3.1, 3.2	**9/16**	**9/17** 3.2, 3.3	**9/18**	**9/19**
9/22 Review	**9/23**	**9/24** **Exam #1**	**9/25**	**9/26**
9/29 6.1, 6.2	**9/30**	**10/1** 6.2, 6.3	**10/2**	**10/3**
10/6 7.1, 7.2	**10/7**	**10/8** 7.2, 7.3	**10/9**	**10/10**
10/13 **Fall Break**	**10/14** **Fall Break**	**10/15** 8.1	**10/16**	**10/17**
10/20 8.2, 8.3	**10/21**	**10/22** 8.4	**10/23**	**10/24**
10/27 Review	**10/28**	**10/29** **Exam #2**	**10/30**	**10/31**
11/3 9.1, 9.2	**11/4**	**11/5** **Last Day for W** 9.2, 9.3	**11/6**	**11/7**
11/10 11.1, 11.2	**11/11** **Veteran's Day** **No Class**	**11/12** 11.2, 11.3	**11/13**	**11/14**
11/17 10.1	**11/18**	**11/19** 10.2	**11/20**	**11/21**
11/24 Review	**11/25**	**11/26** **Exam #3**	**11/27** **Thanksgiving** **No Class**	**11/28** **Thanksgiving** **No Class**
12/1 Final Project	**12/2**	**12/3** Final Project	**12/4**	**12/5**
12/8	**12/9**	**12/10**	**12/11**	**12/12**

All dates subject to change according to the needs of the course.
No Exams will be held prior to the date listed in the Syllabus.