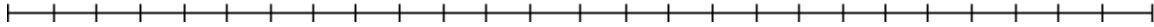


Math 115 – Statistics
Kapi‘olani Community College
Class Syllabus

Instructor: Michaela Conley, M.S.

Semester: Spring 2013



Required Text: Understandable Statistics, 10th ed. – Brase and Brase

Aplia Access Code: G2YK-92Y3-VR5C

Course Description: Math 115 covers elementary probability and statistics including standard deviation, calculations and inferences about means and proportions, normal distributions and linear correlations.

Prerequisite(s): “C” or higher in Math 25 or higher, or placement at Math 100 or higher level mathematics course; qualification for ENG 22 or ESOL 94 or higher level English course

Meeting Time and Location: MWF 10:00-10:50pm, Olapa 215

Office Hours: MW 11:00-11:45am, TR 1:45-3:00pm, or by appointment

Office Location: Olapa 224

E-mail: mconley@hawaii.edu

Objectives

- Describe and interpret various descriptive statistics such as mean, median, mode, range, standard deviation and quartiles
- Draw and interpret various graphs such as frequency histograms, bar graphs, and boxplots
- Solve problems involving the probability of events
- Calculate probabilities involving normal random variables and categorical data
- Determine and interpret (for large samples) confidence interval estimates of population means and proportions
- Conduct hypothesis tests using z and chi-square about means and proportions of populations
- For a set of paired data, produce a scatter plot, find the regression line, and find and interpret the correlation coefficient

Dates of Interest

- **Monday, January 21st**
 - *No Class! (Holiday)*
- **Friday, February 8th**
 - PROJECT PART #1 DUE
- **Monday, February 11th**
 - EXAM #1

- **Monday, February 18th**
 - *No Class! (Holiday)*
- **Friday, March 1st**
 - *No Class! (Professional Development)*
- **Friday, March 15th**
 - PROJECT PART #2 DUE
- **Wednesday, March 20th**
 - EXAM #2
- **Monday – Friday, March 25th – 29th**
 - *SPRING BREAK!!!*
- **Monday, April 22nd**
 - EXAM #3
- **Wednesday, May 1st**
 - PROJECT PART #3 DUE
- **Wednesday, May 8th**
 - FINAL EXAM, 10:00-12:00am

NOTE: A tentative schedule (which is subject to change) is posted on Laulima.

Evaluation Method

- Class Project – 10%
- Homework – 15%
- Tests (3) – 20% each
- Final – 15%

Grading Scale

- A = 90-100
- B = 80-89.5
- C = 70-79.5
- D = 60-69.5
- F = 59.5 and below

Expectations

- Come to class (at least to turn in your homework).
- Be prepared. This includes bring paper, pencil(s), and calculator to class.
- Take notes in class daily. (This is for your own benefit!)
- Complete homework problems according to homework policy below.
- Be respectful and maintain a positive attitude.
- No food in class.

Homework Policy

Each homework set will consist of only a few problems worth a total of 4 points. This homework is to be done neatly in pencil. In order to get full credit for the homework, all steps to complete each homework problem must be clearly shown on the paper that is to be handed in. “Suggested” problems are intended as extra practice and are solely for the benefit of the student.

Attendance Policy

Homework submission will act as a record of attendance. Homework is to be turned in at the beginning of each class. If a student is late for class (the student arrives after homework is originally collected), the homework will be considered late. Each student is allowed two tardies without penalty, i.e. – two late homework submissions are allowed without any penalty. If a student is tardy more than twice, any submitted homework will receive no credit.

Unless, I have previously been notified and approved an absence, absences will only be excused in **verified** cases of extreme or unusual circumstances (medical conditions, death in the family, etc.). In order to make up any assignments from an excused absence, I must be notified that it is an excused absence within 48 hours of the missed class. All make up assignments must be completed and turned in within one week of the excused absence unless otherwise agreed upon. Any unexcused absence will result in no credit for any and all assignments of the day.

Academic Dishonesty (Student Conduct Code)

The University of Hawai‘i system has strict standards for academic integrity. In cases of suspected or admitted academic dishonesty, the instructor involved shall attempt to discuss the matter with the student. The instructor may bring the matter to the attention of the department chairperson for consultation. The instructor may require the student to redo the assignment, give a failing or reduced grade for the course, and/or refer the student to the Vice Chancellor for Student Affairs or designee through the Department Chair for possible college action under the Student Conduct Code. The Vice Chancellor for Student Affairs or designee shall pursue such cases to determine appropriate disciplinary actions if, after a preliminary investigation, it is his/her determination that probable cause exists to establish that an act of academic dishonesty took place.

Math/Science Dept. Policy: Withdrawals (W Grade) and Incomplete (I Grade)

- **Withdrawals (W Grade)** – After the “last day of withdrawals” March 21, 2013, the instructor will sign withdrawals only in cases of extreme or unusual circumstances. Grade related excuses are unacceptable. Examples of extreme or unusual circumstances are: (1) a certified medical reason, (2) a death in the immediate family. Students who no longer attend class and who **DO NOT OFFICIALLY WITHDRAW** from the course will receive an “F” grade.

- **Incomplete (I Grade)** – Students must present the “Request for Incomplete” form prior to the last day of instruction. “I” grades will be given only to students who are achieving passing grades and are very close to completing the course. In addition, the student must have a very good reason for not being able to complete all the work on time. Examples of good reasons are the same as those listed under the withdrawal policy above.

Kapi‘olani Community College Policy

- Kapi‘olani Community College is an Equal Opportunity / Affirmative Action Institution
- If you are a student with a documented disability and have not voluntarily disclosed the nature of your disability and the support you need, you are invited to contact the Disability Support Services Office, Iliahi 113, 734-9552, or email kapdss@hawaii.edu for assistance.
- Students are expected to attend all classes for which they are registered. If a student is unable to attend class, he or she should contact the instructor in advance to give notification of the absence and make necessary arrangements.
- For those students who receive financial aid and fail to attend the first week of classes without making arrangements with the instructor, the instructor will submit the student’s name to the Financial Aid Office. The student will be denied financial aid for the class he/she is not attending. In addition, it is solely the student’s responsibility to withdraw from the class or attend the class and pay the tuition.

UH Policy: Email Communication

The electronic communications policy adopted in December 2005 establishes the University of Hawai‘i internet service as an official medium for communication among students, faculty, and staff. Every member of the system has a hawaii.edu address, and the associated username and password provide access to essential web announcements and email. You are hereby informed of the need to regularly log in to UH email and web services for announcements and personal mail. Failing to do so will mean missing critical information from academic and program advisors, instructors, registration and business office staff, classmates, student organizations, and others.

Academic Grievance Statement

In instructional activities, the students are responsible for meeting all of the instructor’s attendance and assignment requirements. Failure to do so may affect their final grade. In all college-related activities, including instruction, they must abide by the college’s conduct codes and regulations, refraining from behavior that interferes with the rights and safety of others in the learning environment. Finally, if they decide to file a grievance, they are fully responsible for providing proof that they have been wronged.

Class Cancellation

Lecture is cancelled if, without prior notice, the instructor is more than 15 minutes late for a 75 minute class or 10 minutes late for a 50 minute class.

Two-way Communication Devices

These devices are not allowed in the classroom. Please see to it that these devices are turned off while in class.

(Please sign and return.)

I acknowledge that I have read this syllabus and that I agree to comply with the terms stated herein.

(Name – sign and print)

(Date)