

Course Syllabus for **BU 224**  
***Applied Statistics***

- Instructor: Bob Vega, MAM, MBA  
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- Textbook: Lee, C., Lee, F., Lee A. (2000). *Statistics for business and financial economics (2<sup>nd</sup> edition)*. Singapore: World Scientific.
- Schedule: Fall 2002, 11 – 11:50 AM, M-W-F  
Room, Henry 102  
Holidays – 9/2, 10/14, 11/20, 11/28-29,  
Significant dates:  
  - 10/26 start class
  - 12/6 last day of instruction
  - 12/9-12 Final exam week

Course Description: To gain a working knowledge of statistical methods and their application for business management. The coursework includes discussion, lecture, exercises, and projects. Specific areas of concentration will include: considerations in data collection, calculation statistics, determining distributions, estimation, and hypothesis testing.

Course Outline:

Week	Topics	Textbook Chapters
1	Introduction	1
2	Sampling	8, 20
3	Data Presentations	2
4	Frequency Distributions	3
5	Summary Measures	4
6	Review and EXAM 1	
7	Probability	5
8	Discrete Distributions	6
9	Normal Distributions	7
10	Continuous Distributions	9
11	Review and EXAM 2	
12	Sampling Distributions	8
13	Estimations	10
14	Hypothesis Testing	11
15	Regression	13
16	Course Projects	
17	Review and Final Exam	

Grading Summary:

Item	Points/Percentage of Final Grade
Quizzes	10
Exam 1	25
Exam 2	25
Course Project	15
Final Exam	25
<b>TOTAL</b>	<b>100</b>

Grading Criteria:

A final grade will be assigned totaling the points from each graded item. No letter grades will be given for individual tests or quizzes. Exams and quizzes are open-book. Missed quizzes CANNOT be made up. Quizzes are usually given on Fridays and are usually worth 5-points. Exams can only be made up or scheduled at a different time with prior approval from the instructor.

Grading Scale:

A = 95-100	C+ = 72-75
A- = 90-94	C = 68-71
B+ = 85-89	C- = 64-67
B = 80-84	D = 60-63
B- = 76-79	D- = 56-59
	F = < 56

Attendance and  
Class Participation:

Attendance is required and taken on a daily basis. Excessive absenteeism will be addressed through the CUH absence policy found in the student handbook, and can lead to a reduction in final grade. Excessive absenteeism for this course is defined as missing more than 20% of the scheduled class time.

Participation is expected reflected by student involvement in assigned problem completion, discussion, and other activities assigned in class.



- Course Project: Each student will write a course project paper that includes the following:
- APA or MLA format, 1000 – 1250 words
  - Researched topic related to the application of the use of statistical concepts in management of day-to-day business operations
  - Must include at least 3 outside references in addition to the textbook
  - Use of in-text citations as appropriate
  - Inclusion of tables, graphs, and other supplemental material in addition to the text discussion.

Grading criteria for the Course Project

- 80% of final grade based on content and evidence of applied learning and use of critical thinking skill
- 20% of final grade based on use of appropriate format, citations, and outside references.
- Students need to submit their final course project on or before December 9, 2002. Papers submitted late will receive a 20% reduction in the final grade for the paper.

Classroom  
Policies:

The faculty member reserves the right at anytime to revise assignments at his discretion.

Students are expected to behave in a manner consistent with CUH policy regarding classroom activity. In addition, students are expected to come to class on time, prepared for class. Violation for classroom misbehavior is subject to disciplinary action per CUH policies

No eating, drinking, or smoking is allowed in the classroom.

Unless otherwise instructed, students are to do their own individual work on quizzes, exams, and projects. Team and group activities will be announced for various classroom activities. Violations that involve academic misbehavior (i.e., cheating) will be subject to CUH academic disciplinary policies.