

COURSE SYLLABUS

Course Information
PROBABILITY AND STATISTICS FOR MANAGEMENT AND ECONOMICS
FALL 2013 **STAT 3360**

Section	Call No	Course Meeting Times	Class Room	Instructor
3360.003	89175	T R 11:30 AM – 12:45 PM	ECSS 2.201	Min Chen

Professor FO 3.704H	Contact Information	Dr. Min Chen min.chen2@utdallas.edu
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Hours: TR 1:00 – 2:30 PM; others by appointment

Teaching Assistants – (TBA)

Course Pre-requisites, Co-requisites, and/or Other Restrictions

MATH 1326

Course Description – See Below

Student Learning Objectives/Outcomes

- Students will be able to use Data Analysis Plus add-in, data sets and other tools. Please visit www.cengage.com/bstatistics/keller for more information.
- Coverage will be provided for basics in Probability Theory (independence and conditional distributions, probability rules, continuous distributions and densities, random variables, their expectations and moments).
- Students will familiarize themselves with sampling distributions of some statistics and learn how to draw and apply statistical inferences based on sampling distributions.

Required Textbooks and Materials

Statistics for Management and Economics (by Gerald Keller) Abbreviated 9th Edition

ISBN 10: 0-538-47749-0

Textbook, lecture notes, calculator, and scratch paper should be brought to each class period.

Students will be working problems in class.

Complete syllabus can be seen online – from <http://coursebook.utdallas.edu/>

IMPORTANT DATES & HOLIDAYS	
CLASSES START	AUGUST 26
CENSUS DAY/ DROP WITHOUT A “W”	SEPTEMBER 11
DROP WITH WL	OCTOBER 8 – OCTOBER 30
EXAM 1	OCTOBER 8 (IN CLASS)
FALL BREAK [THANKSGIVING]	NOVEMBER 25 – 30
EXAM 2	NOVEMBER 12 (IN CLASS)
LAST DAY OF CLASSES	DECEMBER 11
FINAL EXAM	DECEMBER 16 (8:00 – 10:45 PM) GR 2.302 AND JO 3.516 (TBA)

COURSE SYLLABUS

Grading Policy

Your course grade will be determined based on the following weighting:

Homework Assignments (collected in class only)	10% (two lowest scores dropped)
Quizzes (conducted in class only)	10% (two lowest scores dropped)
Two Intermediate Exams (in the same classroom)	25% + 25% = 50%
Final Exam (see schedule)	30%

Make-up exams will only be permitted for students who demonstrate valid reasons to miss the scheduled exam.

No on-line homework submission and no make-up quiz.

Grading Scale:

[97, 100]	[93, 97]	[90, 93]	[87, 90]	[83, 87]	[80, 83]	[77, 80]	[73, 77]	[70, 73]	[67, 70]	[63, 67]	[60, 63]	[0, 60]
A+	A	A -	B+	B	B -	C+	C	C -	D+	D	D -	F

TENTATIVE COURSE OUTLINE		
Days	Topics	Sections
August 27 – 29	Introduction: Grading Policy, Rights and Duties	2.1 – 2.3
	Graphical and Tabular Descriptive Techniques	3.1 – 3.3
September 3 – 5	Numerical Variables – Summaries	4.1 – 4.4
September 10 – 17	Probability Rules / Distributions	6.1 – 6.4
September 17 – 26	Discrete Variables and Distributions	7.1 – 7.5
September 26 – October 3	Continuous Probability Models	8.1, 8.2
October 3	First Exam Review	Chapters 2 – 4, 6 – 7
October 8	Exam I	
October 10	Sampling Distributions	9.1 – 9.2
October 10 – 15	Estimation and Confidence Intervals	10.1 – 10.3
October 17 – 22	Hypothesis Testing and Z test	11.1 – 11.2
October 22 – 29	Inferences about a Population	12.1 – 12.3
October 31 – November 7	Comparing Two Population Means	13.1, 13.3
November 7	Second Exam Review	Chapters 8 – 12
November 12	Exam II	
November 12 – 14	Comparing Two Population Proportions	13.5
November 14 – 21	Nominal Variables/ Chi-Squared Tests	15.1 – 15.2
November 21	Simple Linear Regression – Basics	16.1 and 4.4
November 25 – 30	Thanksgiving – Fall Break	No Classes
November 21 – December 10	Simple Linear Regression – Inferences	16.2 – 16.4
December 10	Course Overview and Final Review	All Sections Above
December 16 [8:00 – 10:45 PM]	Final Exam (GR 2.302 and JO 3.516)	

Course & Instructor Policies

Homework:	Homework will be assigned, collected in class, graded, and returned in class. No online submission, please!
Quizzes:	Will be given once a week, except for weeks of exams.
Announcements:	HW and Quiz days will be announced in class and via E-Learning.
Exams:	Two major common exams and a comprehensive mandatory final will be given. Dates, time, and room are shown in the schedule.
Calculator:	A scientific calculator and Tables 2 – 5 from the book are required. All electronic devices are NOT permitted in class or during exams.