

OPRE 6301
Quantitative Introduction to Risk and Uncertainty in Business
SPRING 2005

Instructor: Dr. Alain Bensoussan, email: axb046100@utdallas.edu, office: SOM 3.211, office hours: Thursday 5:00-7:00 PM.

Time and Location: Thursday 7:00-9:45 PM, SOM 1.212.

Teaching Assistant: Xianghua Gan, email: ganxh@utdallas.edu, office: SOM 3.406, office hours: Wednesday 3:00-6:00 PM..

Textbook: Statistics for Management and Economics (6th Edition), by Gerald Keller and Brian Warrack.

Lecture Notes: Available on WebCT.

Course Content:

- Date: Jan 13. Lecture 1. General training to the use of Excel.
- Date: Jan 20. Lecture 2. Chapter 4: Numerical Descriptive Techniques; Chapter 5: Data Collection and Sampling
- Date: Jan 27. Lecture 3. Chapter 6: Probability
- Date: Feb 03. Lecture 4. Chapter 7: Random Variables and Discrete Probability Distribution
- Date: Feb 10. Lecture 5. Chapter 8: Continuous Probability Distributions
- Date: Feb 17. Lecture 6. Chapter 9: Sampling Distributions; Chapter 10 Introduction to Estimation
- Date: Feb 24. Lecture 7. Chapter 11: Introduction to Hypothesis Testing
- Date: Mar 03. Midterm Exam
- Date: Mar 10. Spring Break
- Date: Mar 17. Lecture 8. Chapter 12: Inference about a Population
- Date: Mar 24. Lecture 9. Chapter 13: Inference about Comparing two populations; Chapter 14: Statistical Inference: Review of Chapter 12 and 13
- Date: Mar 31. Lecture 10. Chapter 15: Analysis of Variance
- Date: Apr 07. Lecture 11. Chapter 16: Chi-Squared Tests
- Date: Apr 14. Lecture 12. Chapter 18: Simple linear Regression and Correlation
- Date: Apr 21. Final Exam

Grading: There will be a midterm exam and a final exam. They will count toward the grade as follows.

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| Midterm | 50% |
| Final | 50%. |