



STAT 285

Introduction to Probability and Statistics

Spring 2007
Day Course

Students requiring accommodations as a result of disability, must contact the Centre for Students with Disabilities 604-291-3112 or csdo@sfu.ca

Instructor: [Dr. Boxin Tang](#)

Prerequisite:

STAT 270 & MATH 232 (can be a corequisite). This course may not be taken for credit by students who have credit for STAT 330 prior to the Fall 03-3 semester.

Textbook:

Outline:

1. Review of STAT 270 material and relation ~~D-1174194013#D-1174194013~~. Hypothesis tests
2. Hypothesis tests
3. Hypothesis tests
4. Hypothesis tests
5. Elementary design of experiments including analysis of variance
6. Introduction to Regression Analysis - simple and multiple
7. Introduction to lifetime analysis
8. Introduction to time series: ARIMA models, estimation, forecasting, confidence interval
9. Introduction to Stochastic Processes: Markov Chains and the Poisson process

Grading Scheme:

Assignments – 10%
Midterm 1 – 20%
Midterm 2 – 20%
Final – 50%

Students should be aware that they have certain rights to confidentiality concerning the return of course papers and the posting of marks. Please pay careful attention to the options discussed in class at the beginning of the semester. Students are