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SUMMER SEMESTER 2007 COURSE OUTLINE

This is a first course in probability and mathematical statistics—asic laws of probability distributions introduction to statistical applications

This course consists of the following general topics
 ntroduction to descriptive statistics
 oncepts of probability and tools for calculating probability
 iscrete distributions. Random variables expectations and binomial and Poisson distributions
 ontinuous distributions normal gamma and exponential distributions
 normal approximation to binomial distribution jointly distributed random variables
 the central limit theorem
 nference. Single sample estimation hypothesis testing
 nference. Two samples normal large samples and paired cases

ath or or must precede or be taken concurrently f preceding the grades should be

Computer Requirements: WebCT and eLive

- š This course requires active online participation in WebCT (a web-based course management system) and Elluminate Live, also called eLive (an audio-based online conferencing tool).
- § Please refer to the "eLive: Getting Started" document in your course package for more information about using eLivein your course.
- § On-campus computer facilities are available. If you are using your own computer, these are the *minimum* computer requirements:

Hardware

- E PC with Windows 98, 2000, ME, NT, XP, or Vista OR Mac with System 9x or later
- £ 128 MB RAM
- £ 56K baud modem or higher
- E Sound card with speakers and microphone, or headset
- £ CD-ROM

Software and Other

- **£** Internet connection and e-mail access
- £ Latest version of Java (www.java.com)
- £ One of the following web browsers:

PC Mad

Internet Explorer 6, 7 Mozilla 1.7.x (OS X only)

Netscape 7.2 J7.2

- **Access to WebCT begins on the first day of classes.**
- § **All students:** To access your online course, go to http://www.webct.sfu.ca and log in with your WebCT ID and password.
- Š **SFU students:** Use your SFU computing account ID and password to log into WebCT. If you don't have an SFU computing ID, get it online at http://my.sfu.ca.
- § **TRU-OL students:** WebCT access details will be provided in your CODE course package. **CONNECTING TO THE**

Revised: June 12, 2007 (AS)

D: WebCT & eLive