FALL SEMESTER 2008 COURSE OUTLINE

STAT 270–3 (STATISTICS & ACTUARIAL SCIENCE)
INTRODUCTION TO PROBABILITY AND STATISTICS
C100

This is one of the first courses in probability and mathematical statistics   asic laws of probability sample 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 Variables expectations and   inomial and Poisson distributions
     ontinuous distributions normal gamma and exponential distributions
    normal approximation to   inomial distribution jointly distributed random variables
    the central limit theorem
    nference Single sample estimation hypothesis testing
    nference Two samples normal large samples and paired cases

PREREQUISITE(S):   orequisite s   T   or   or
                    Students wishing an intuitive appreciation of a broad range of statistical strategies may wish
                    to take ST T   first
                    Quantitative

TEXT(S):
  evore   Probability and Statistics for Engineering and the Sciences (th ed   (Includes access code to online
       resources Minitab, SAS & SPSS, etc.).   elson   rooks   ole

REQUIREMENTS: ssignment
                  ssignment
                  idterm exam
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REQUIREMENTS
NOTE: site www sfu ca code
                  Students requiring accommodations as a result of a disability must contact the   entre for
                  Students with   isabilities   or csd_office sfu ca
DELIVERY   Print
                  Web T
                  e ive
                         P
                  (To view computer requirements for this course, go to www.sfu.ca/code, click on "CODE
                  Courses/Outlines," then department name to find the online course outline. Then click on the
                  "computer requirements" link.)

MODE OF
DELIVERY
NOTE:

SUPPLEMENTARY
FEES:

WebCT, eLive, and *LON-CAPA* Computer Requirements

- This course requires active online participation in *WebCT* (a web-based course management system) *Elluminate Live,* also called *eLive* (an audio-based online conferencing tool), and *LON-CAPA* (an online learning management system).

- Please refer to the **"*eLive:* Getting Started"** document in your course package for more information about using *eLive* in your course.

- Please refer to the **"STAT 270: Getting Started with *LON-CAPA*"** document in your course package for more information about using *LON-CAPA* in your course.

- On-campus computer facilities are available. If you are using your own computer, these are the ***minimum* computer requirements:**

Hardware

- PC with *Windows 98, 2000, ME, NT, XP,* or *Vista* **OR** Mac with *System 9x* or later

- 256 MB of RAM for Windows, 128 MB of RAM for OS X, 10.2, 10.3, 256 MB for OS X 10.4

- 56K baud modem or higher

- Sound card with speakers and microphone, or headset

- CD-ROM

Software and Other

- Internet connection and e-mail access

- Supported browsers and JVM for *WebCT*

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- **TRU-OL students:** Your *LON-CAPA* ID and password is your TRU-OL student number.

Connecting to the Internet from Home

- You are responsible for setting up your connection through your own external Internet service provider (ISP) (e.g., Telus, Shaw, etc.).

General

- Prior computer knowledge is expected (i.e., ability to save files, install programs, and maintain your computer). Familiarity with the Internet, e-mail, and related applications is strongly recommended.
- Support is not available for general computer problems (e.g., operating system, hardware).

Need Help?

- General inquiries: CODE technical support (*WebCT* & *eLive*) or call 778-782-5575.
- *eLive* FAQs for students.
- *WebCT* FAQs for students.
- For *LON-CAPA* technical problems or system failures, report to Ray Batchelor, or use the "Contact Helpdesk" link from the log-in screen.
- Help with your SFU computing account or call 778-782-3230, or visit AQ 3148 on the Burnaby campus.