

SPRING SEMESTER 2005 COURSE OUTLINE
STAT 101-3 (STATISTICS/ACTUARIAL SCIENCE)
INTRODUCTION TO STATISTICS

C100



This is an introductory course to the discipline of statistics: a way of reasoning, along with a collection of tools and methods, designed to help us understand the world.

The course consists of the following general topics:

1. Exploring and Understanding Data 2. Exploring Relationships Between Variables 3. Gathering Data
 4. Randomness and Probability 5. Inference from Data.

In the last section of the course, students have a choice of more probability or more inference. Students receive instruction in the use of statistical software to analyze many real-world data sets and also to simulate statistical phenomena. Tests and examinations are open book and stress conceptual understanding. The course is delivered online so that remote participation is feasible. In fact, online participation is a required component of the course.

Prerequisites: None.

Note: To receive credit for both STAT 100 and 101, STAT 100 must be taken first. Students with credit for ARCH 376, BUEC 232 (formerly 332) or STAT 270 (formerly MATH 272 and 371) may not subsequently receive credit for STAT 101-3. Students with credit for STAT 102, 203 (formerly STAT 103), 301, MATH 101 or 102 may not take STAT 101 for further credit.

TEXT(S):

De Veaux, R. and Vellman, P. *Intro Stats* (includes CD-ROM-ActivStats). Addison Wesley Longman. (2004).

NOTE: CD IS REQUIRED TO COMPLETE THIS COURSE.

REQUIREMENTS: Participation	10%
Group submissions	10%
Individual submissions	10%
Midterm examination	20%
Final examination	50%

REQUIREMENTS NOTE: Students who choose to pick up their Course Materials from the Centre for Distance Education are required to do so by the first day of the semester. Please see exam schedule in Registration Timetable. Students requiring accommodations as a result of a disability, must contact the Centre for Students with Disabilities (604-291-3112 or csdo@sfu.ca)

DELIVERY MODE: Print
 FirstClass Computer Conferencing
 internet (mandatory)
 Video support (optional)
 Knowledge Network (optional)

MODE OF DELIVERY NOTE:

SUPPLEMENTARY FEES:	Course materials and service fee	\$40.00
	Deposit for additional materials	\$0.00

If one or more of these symbols appear at the top of this page, it indicates an equipment requirement :

computer (see over)	CD player	TV (Knowledge Network)
internet access	Audio cassette player	telephone (teleconference)
email	VCR	

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1300 West Mall Complex
 Phone: 604-291-3524
 Toll free in BC: 1-800-663-1411
 Fax: 604-291-4964
 Website: www.sfu.ca/cde

Computer Requirements: FirstClass

- This course requires active online participation in *FirstClass* (an online computer conferencing tool).
- On-campus computer facilities are available. If you are using your own computer, these are the *minimum computer requirements*:

Hardware

- ❑ PC with *Windows 95* or later **OR** Mac with *System 8.6* or later
- ❑ 10 MB RAM
- ❑ 6 MB free disk space
- ❑ 28.8-baud modem (56 K or higher is recommended)
- ❑ CD ROM drive

Software & Other

- ❑ Internet connection
- ❑ *FirstClass* software (described and provided in your course materials)
- ❑ Email (e.g. Eudora, Outlook Express, or equivalent)

FirstClass Access & Accounts

- **Access to *FirstClass* begins the week before classes begin.**
- **SFU students:** Use your SFU computing account ID and your SFU student # to log into *FirstClass*. If you don't have an SFU computing ID, get it online at <<http://my.sfu.ca>>.
- **OU students:** Your *FirstClass* ID and password is your OU student number.

Connecting to the Internet from Home

- You are responsible for setting up your connection, either through SFU or your own external Internet service provider (ISP) (e.g., Telus, Shaw, etc).
- For information on Internet service available through SFU, please consult the Academic Computing Services (ACS) web site: <<http://www.sfu.ca/acs/modems/index.htm>>.
- The subsidized modem hours allotted to you (four hours of access per credit hour) may not be sufficient to complete the required course work.
- A voucher system has been implemented to allow students to pay for continued modem access on 604-677-6678 (after your subsidized access is used up). Vouchers may be purchased from campus bookstores in increments of \$20. At 60 cents per hour, each voucher is good for approximately 33 hours. Instructions are included with the voucher. See <<http://www.sfu.ca/acs/modems/index.htm>> for more information.

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?

- *FirstClass* support: <help@firstclass.sfu.ca> or 604-291-5575
- Help with SFU computing accounts: <help@sfu.ca>, 604-291-3230, or visit AQ 3148