

**York University – Atkinson College
Department of Economics**

**AK/ECON 3470: Introductory Economic Statistics I
Course Outline – Summer 2004**

Course Director: **Syed A. Basher**
Office Hours: **Thursday, 4:00pm to 6:00pm**
Office Location: **Vari Hall 1091**

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Email: basher@econ.yorku.ca
Course Homepage: <http://dept.econ.yorku.ca/~basher/teaching.html>

Course Schedule: **Tuesday & Thursday: 6:00pm to 9:00pm**
Classroom Location: **Stedman Lecture Hall (SLH) “A”**

Course Description & Objectives

This is an introductory statistics course for undergraduate (economics) students. The course has three objectives: to introduce the student to descriptive statistics, probability theory, statistical inference and hypothesis testing; to apply techniques of statistical analysis to typical situations encountered in economic and business research; and to introduce the student to the use of Statistical Software (e.g., Excel) on a computer.

Topics to be covered include descriptive statistics and frequency distributions; measures of location and dispersion; probability theory and mathematical expectations; probability and sampling distributions; estimation and hypothesis testing; simple regression.

Grading and other details

Assignment	15%
Midterm	35%
Final	50%

The assignment will be distributed on June 01, 2004 and is due on June 15, 2004 (in class). This is a group assignment. A group of 3 students (maximum) is allowed. The date of the midterm will be announced in the class. Final examination is scheduled by the registrar office (keep checking the registrar’s office website). Final exam will be **comprehensive**, meaning it covers all materials in the course. This is **no make-up examination** for a missed midterm, students absent from their midterm for valid reasons may have the final carry 85%. Late submission of assignment will not be accepted.

Textbook: Keller, Gerald and Warrack, Brian. “Statistics: For Management and Economics.” Sixth Edition, Thomson, 2003. Note that the textbook comes with macros

and data files compatible with Excel and Minitab. Additional information from the publishers is available at <http://www.thomson.com/duxbury.html>

Optional Student Exercise Book (w/solutions): Study Guide for Statistics for Management and Economics: A Systematic Approach (6th ed.), G. Keller & B. Warrack. Students are strongly advised to purchase this exercise book and work together in groups. Statistics is easier to master if you work together on exercises.

Statistical Software: All students can obtain accounts on a York computer system with resident statistical software. The Excel Macros and Data will run on MS Excel. Minitab will be available on the York system and is available for MAC/PC in the York Bookstore. Do not buy any statistical software until the instructor has given advice in class.

Advice: This course requires practice with the material, and with computer applications, to master the material. You are advised to get the workbook, work in groups if possible, and work the problems in the workbook and in the text. You cannot afford to get behind in a statistics course. If you have trouble get help quick (tutorials).

Course Content:

- (a) **Chapter 1–3:** Graphical techniques and presentations
- (b) **Chapter 4:** Numerical descriptive techniques
- (c) **Chapter 5:** Data collection and sampling
- (d) **Chapter 6:** Probability ----- (Midterm is about here) -----
- (e) **Chapter 7 & 8:** Discrete and continuous random variables
- (f) **Chapter 9:** Sampling distributions
- (g) **Chapter 10 & 11:** Estimation and hypothesis testing

Academic Honesty (Senate Policy): Atkinson as a Faculty considers breaches of the Senate Policy on Academic Honesty to be serious matters. To quote the Senate Policy on Academic Honesty:

The Policy on Academic Honesty is a reaffirmation and clarification for members of the University of the general obligation to maintain the highest standards of academic honesty. It outlines the general responsibility of faculty to foster acceptable standards of academic conduct and of the student to be mindful of and abide by such standards.

Faculty members are encouraged to pursue suspected cases of academic honesty with formal charges. Students should, however, review the York Academic Honesty policy for themselves at: <http://www.yorku.ca/secretariat/legislation/senate/acadhone.htm>

Tutorial

OLEG Glouchakov Tutor 4 Summer 2004 – S1	
AK/ECON1530 M. Marzouk	AK/ECON3470 S. Basher
Tuesday May 11 Time: 10:30-12:30 & 2:30-4:30pm Place: VH 3000	
Thursday May 13 Time: 10:30-12:30 & 2:30-4:30pm Place: VH 3000	
Tuesday May 18 Time: 10:30-12:30 & 2:30-4:30pm Place: VH 3000	
Thursday May 20 Time: 10:30-12:30 & 2:30-4:30pm Place: VH 3000	
Tues. May 25 Time: 10:30-12:30 & 2:30-4:30pm Place: VH 3000	
Thur. May 27 Time: 10:30-12:30 & 2:30-4:30pm Place: VH 3000	
Tues. June 1 Time: 10:30-12:30 & 2:30-4:30pm Place: VH 3000	
Tues. June 8 Time: 10:30-12:30 & 2:30-4:30pm Place: VH 3000	
Thur. June 10 Time: 10:30-12:30 & 2:30-4:30pm Place: VH 3000	
Tues. June 15 Time: 10:30-12:30 & 2:30-4:30pm Place: VH 3000	

VH: Vari Hall