

## GEOGRAPHY 339 COURSE OUTLINE H (3-3) (AREA III)

### ANALYTICAL METHODS IN GEOGRAPHY I

**Timetable:** FALL SESSION 2004

CATALOUGE #: 1065

Lec01 TR 12:30-13:45 SA 106  
Lab01 W 09:00-10:50 SS 018

**Instructor:**

Dr. John Yackel

Office ES 408

E-mail: yackel@ucalgary.ca

Office Hours: T 14:00-14:45; T 15:00-15:30; R 14:00-14:45, or by appointment

**Teaching Assistant:**

TBA

**Course Content:**

The field of Geography is marked by diversity in subject matter, which includes physical (environmental), human (socio-economic), and integrated (human-physical) topics of inquiry. It is therefore not surprising to learn that there exist a variety of analytical methods which geographers employ. This course serves as an introduction to these analytical approaches, taking you from the collection and presentation of geographic data to analysis and interpretation. The course is targeted for undergraduate students in geography and related disciplines with limited backgrounds in statistical approaches to geographic problem solving. Analytical examples and problem solving will involve the use of statistical computer packages. Students will leave this course with knowledge and experience in 'stats' and an appreciation for how they are applied to geographic issues.

**Grading:**

- 1 mid-term test (Oct 28<sup>th</sup>) = 30%
- 5 lab assignments @ 6% each = 30%
- Registrar-scheduled final exam = 40%

**Grading Scheme:**

A+	90-100	B+	77-79.9	C+	67-69.9	D+	57-59.9	F	0-49.9
A	85-89.9	B	73-76.9	C	63-66.9	D	53-56.9		
A-	80-84.9	B-	70-72.9	C-	60-62.9	D-	50-52.9		

**Required Text:**

*Elementary Statistics for Geographers*, 2<sup>nd</sup> edition by James E. Burt and Gerald M Barber, published by Guilford Press, 1996.

**Resource Materials:**

There is no shortage of statistical reference material to choose from. If you having difficulty understanding a concept in class or in the lab, it often helps to check out an alternative source of information. It may also provide you with a different example to work with. In addition to material in the McKimmie Library, the following list of titles is available in the Map Collections Room (4<sup>th</sup> floor ES).

McGrew, Jr. and Charles B. Monroe (2000) An Introduction to Statistical Problem Solving in Geography, 2<sup>nd</sup> Edition, published by McGraw Hill.

Taylor, P.J. (1983). *Quantitative Methods in Geography: An Introduction to Spatial Analysis*, Prospect Heights III., Waveland Press Inc.

Gregory, S. (1973). *Statistical Methods and the Geographer*. London, Longman Group Limited.

Ebdon, D.E. (1985). *Statistics in Geography*. Oxford, Basil Blackwell

Blalock Jr, H.M. (1972). *Social Statistics*. New York, McGraw-Hill Book Company

Griffith, D.A., and C.G. Amrhein. (1991). *Statistical Analysis for Geographers*. Englewood Cliffs, Prentice Hall Inc.

McClave, J.T., and P.G. Benson. (1992). *A First Course in Business Statistics*. New York, MacMillan Publishing Company.

**Plagiarism:**

Academic dishonesty is not an acceptable activity at the University of Calgary and students are strongly advised to read the appropriate section in their Calendars (beginning on page 63). Quite often, students are unaware of what constitutes academic dishonesty or plagiarism. The most common are 1) presenting another student's work as your own 2) presenting an author's work or ideas as your own without proper referencing and 3) using work completed for another course. This activity will not be tolerated in this course and students conducting themselves in this manner will be dealt with according to the procedures outlined in the calendar.

**Late Policy:**

Lab assignments are to be worked on individually and are due at the beginning of the lab sessions as indicated in the class schedule (see attached) and are to be handed in to the Teaching Assistant for the course. There are no exceptions and those assignments handed in late will be subject to an immediate 10% penalty followed by a 10% reduction in grade for each day thereafter (weekend and holidays included). Medical related circumstances will require a note from a physician.

**Re: Posting of Grades and Picking-up of Assignments**

- Assignments will be handed back only in class or by the Professor or Teaching Assistant at pre-arranged time(s)
- If you would like to receive your assignment through the mail, please include an appropriately sized self-addressed, stamped envelope with your assignment when you hand it in to the Professor or Teaching Assistant.
- Posting of grades will be at the discretion of each Professor and, if posted, they will be scrambled. Please note, grades will not be available in the Geography office.