Course Outline  Economic Statistics  ECON 227

Instructor:  K.MacKenzie  kenneth.mackenzie@mcgill.ca
Office:  Leacock 435  514-398-6816
Office Hours:  Leacock 435, 514-398-6816  MWF 10:00 – 11:00  TW 2:30 to 4:00
Other times by chance or appointment

TA hours for the course will be posted on MyCourses.

Textbook: (Paragraphe Book Store, 2220 McGill College Avenue)

Statistics for Business and Economics (any edition), McClave, Benson, and Sincich, Pearson/Prentice-Hall. Paragraphe has the less-expensive loose-leaf version. If you find second-hand earlier editions, they will be perfectly all right for the course. Look for advertised copies and/or on the INTERNET. Look also in The Word, the second-hand bookstore on Milton Street.

Syllabus

Autumn Term

EDA (exploratory data analysis)
Probability theory, including the expected value and standard deviation of random variables
Geometric, binomial, Poisson, and hypergeometric discrete random variables
Exponential and normal continuous random variables
Sampling distributions

Winter term

Point and confidence-interval estimation, z, t and chi-square distributions
One-population hypothesis tests
Two-population tests
F distribution, ANOVA
Chi-square tests of independence and goodness of fit
Simple regression and correlation
Multiple regression
Evaluation

Term 1 assignments and quiz 15
Term 2 assignments and quiz 15
midterm examination 25
final examination 45

Term 1 quiz: week of October 15
Term 2 quiz: week of February 17

1. Since this is full course (D1 + D2) there is no supplemental for the Fall semester. The only supplemental, held the following August, is for D1 + D2, the course as a whole. The supplemental grade counts for 100% of the course grade.

2. Deferral of a midterm examination can be arranged with the instructor, but for the final must be arranged through the university.

3. Transfers from ECON 257 to ECON 227: Economics and Service Point agreed on the following windows.

   Window 1: Up to the end of the week after the D1 midterm quiz. For students using this window the course grade depends solely on the subsequent performance in ECON 227.

   Window 2: The January add/drop period in the Winter semester. The course grade depends solely on the subsequent performance in ECON 227.

Students should have a calculator capable of statistics computations with two-variable capacity. If you are not sure whether your calculator is suitable, show it to me after class for verification. In the winter term there will be MINITAB and EXCEL computer output.

All work may be presented in English or French

McGill Code of Conduct

McGill University values academic integrity. Therefore all students must understand the meaning and consequences of cheating, plagiarism, and other academic offences under the Code of
Student Conduct and Disciplinary Procedures (see [http://www.mcgill.ca/integrity](http://www.mcgill.ca/integrity) for more information).

- Credit will be given for ONLY ONE of the following introductory statistics courses: AEMA 310, BIOL 373, ECON 227D1/D2, ECON 257D1/D2, GEOG 202, MATH 203, MGCR 271, MGCR 273, PSYC 204, SOCI 350.

- Credit will be given for ONLY ONE of the following intermediate statistics courses: AEMA 411, BIOL 373, ECON 227D1/D2, ECON 257D1/D2, GEOG 351, MATH 204, PSYC 305, SOCI 461 with the exception that you may receive credit for both PSYC 305 and ECON 227D1/D2 or ECON 257D1/D2.

- If you have already received credit for MATH 324 or MATH 357, you will NOT receive credit for any of the following: AEMA 310, AEMA 411, BIOL 373, ECON 227D1/D2, ECON 257D1/D2, GEOG 202, GEOG 351, MATH 203, MATH 204, MGCR 271, MGCR 273, PSYC 204, PSYC 305, SOCI 350.