

Statistics Course Equivalents for MSW

McGill University:

- ***Math 203 Principles of Statistics 1*** (3 credits)

Faculty of Science, Mathematics and Statistics Department. Examples of statistical data and the use of graphical means to summarize the data. Basic distributions arising in the natural and behavioural sciences. The logical meaning of a test of significance and a confidence interval. Tests of significance and confidence intervals in the one and two sample setting (means, variances and proportions).

Fall, Winter and Summer No calculus prerequisites.

Restriction: This course is intended for students in all disciplines. For extensive course restrictions covering statistics courses see Section 3.6.1 of the Arts and of the Science sections of the calendar regarding course overlaps.

You may not be able to receive credit for this course and other statistic courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar. Students should consult <http://www.mcgill.ca/student-records/transfercredits/> for information regarding transfer credits for this course.

- ***PSYC 204 Introduction to Psychological Statistics*** (3 credits)

Psychology: The statistical analysis of research data; frequency distributions; graphic representation; measures of central tendency and variability; elementary sampling theory and tests of significance.

- ***SOCI 350 Statistics in Social Research*** (3 credits)

Introductory course in descriptive and inferential statistics. The course is designed to help students develop a critical attitude toward statistical argument. It serves as a background for further statistics courses, helping to provide the intuition which can sometimes be lost amid the formulas. Prerequisite: [SOCI 211](#). Restriction: Not open to students who have taken [PSYC 204](#), [PSYC 305](#) or [ECON 227](#). You may not be able to receive credit for this course and other statistic courses. Be sure to check the Course Overlap section under Faculty Degree Requirements in the Arts or Science section of the Calendar.

Concordia University:

- ***SOCI 212 Statistics I*** (3 credits)

Priority to enroll in this course is given to students who are in a Sociology or Anthropology program. This course provides an introduction to the basic principles of statistics for social scientists. Topics include the concept of the level of measurement, standardization, the interpretation of graphs,

measures of univariate distributions, cross classification, elementary measures of association, the logic of controls, and the basic principles of inferential statistics. The emphasis is on the implications of these statistical techniques for theoretical understanding of sociology and anthropology.

- ***INTE 296 Discover Statistics*** (3 credits)

This course introduces students to the basics of statistics and is aimed at mastering the elementary analytical concepts of the subject. Topics include descriptive statistics, correlation and regression analysis, experimental analysis (test procedures), probability (distribution and theory), hypothesis testing, and analysis of variance.

- ***PSYC 315 Statistical Analysis I*** (3 credits)

This course is an introduction to statistics, presented in an experimental psychology context. Topics dealt with include frequency distributions, measures of central tendency and dispersion, the normal curve, correlation, elementary probability theory, an introduction to hypothesis testing, and the t test. NOTE See §200.7.

NOTE: Students who have completed Cégep QM 360-300 (Quantitative Methods) and MATH 201-300 (Complementary Topics in Mathematics) with 75% or better grades can be exempt from PSYC 315. Exemptions may be granted on the basis of other courses. Application for exemption should be made to the Arts and Science Student Academic Services.

Thompson Rivers University (Online course):

- ***STAT 102: Intro to Prob & Statistics***

STAT102 is an introductory course on the concepts and methods of statistics, covering topics such as variability, data analysis, probability, estimation and hypothesis testing. Many jobs or professions require you to make objective decisions based upon statistical data. To help you make these kinds of decisions, this course shows you how to collect, analyze, and interpret data correctly. The course also shows you how to present data to other people in ways that are clear and accurate.

Prerequisites: Although this course does not involve complex mathematics, Principles of Math 11, or applications of Math 12, or equivalent skills as established by assessment, are recommended as the minimum mathematical knowledge required. Students lacking the required mathematical background are advised to take a preparatory course before attempting this course. Basic computer literacy is recommended.