

175. Sample Survey Methods and Applications (3)

Prerequisite: Q M 103. Sampling distributions, sample design, estimations of means, proportions, ratios, totals, simple random sample; stratified, cluster, and systematic sample design; replicated sampling techniques, acceptance sampling; industrial uses of sampling and nonprobability sampling.

176. Design of Scientific Experiments (3)

Prerequisite: QM 103. Notion of sampling distributions, theoretical probability distributions, gamma and F-distribution; analysis of variance, one-way and two-way classification tests; mixed and random effect models. Latin and Graeco Latin squares; factorial experimentation.

178. Bayesian Inference and Decision Theory (3)

Prerequisite: Q M 103. Revision of probability and subjective interception, the Bayes' theorem, statistical estimation of various parameters and decision theory, prior analysis and prior probability distributions; posterior analysis and posterior probability distributions; utility problems, expected profit of perfect information.

189T. Topics in Quantitative Methods (1-3; max total 6 if no topic repeated)

Prerequisite: 12 units in quantitative methods. Theory or application of statistics, operations research, or computers applied to current developments.

190. Independent Study (1-3; max total see reference)

See *Academic Placement—Independent Study*.

198. Supervised Work Experience (1)

Open only to business majors. Prerequisite: permission of instructor. Work Experience: Learning through on-the-job experience in a business. Written reports.

199. Internship (3-6; max total 6)

Open only to business majors. Prerequisite: permission of instructor. Student holds responsible position in business or a government agency and reports on firm's operations and suggested improvements.

200 Series. Graduate courses are listed under *Business*.