

APPROVED STATISTICS AND METHODS COURSES

ANT 620 TOPICS AND METHODS OF EVALUATION. (3)

An examination of a subset of evaluation methods, topics, and problems. An introductory course in the area with minimal emphasis on quantitative methods. The course is designed to: provide a perspective from which evaluation studies may be viewed; and, to provide experiences for those who will learn from or conduct evaluations. Prereq: Consent of instructor, and a basic course in statistics or research. (Same as EDP/EPE 620/SOC 622.)

- Generally offered in the Fall semester
- Most recently taught by Willis Jones in Fall 2012

ANT 660 ETHNOGRAPHIC RESEARCH METHODS. (3)

Cultural anthropology research techniques including key informant and ethnosemantic interviewing, participant observation, field note preparation and coding, survey methods, photography, mapping, rapid assessment procedures and other specialized techniques are discussed and practiced. Ethical responsibilities of anthropologists reviewed. Prereq: Major or graduate standing in a social science, or consent of instructor.

- Generally offered in the Spring
- Most recently taught by Diane King in Spring 2013

ANT 662 RESEARCH DESIGN. (3)

Seminar discussion and guided individual student research covering the relationship between theory, methods, and reality; how to better design anthropological inquiry. Prereq: One year of graduate work in a behavioral science field and consent of instructor.

- Multiple sections offered in Fall and Spring

BSC 745 RESEARCH METHODS IN MEDICAL BEHAVIORAL SCIENCE. (3)

This is an applied methods course which will review the various aspects of research and apply them to current medical behavioral studies. The different approaches used by the behavioral and clinical sciences will be reviewed and demonstrated. Prereq: Any methods courses required for a Ph.D. in the department major.

- Has not been offered in the recent past

BSC 765 RESEARCH PROBLEMS IN MEDICAL ANTHROPOLOGY. (3)

(1) Advanced history and theory of medical anthropology; (2) research design, field work, analysis of data in medical anthropology. Prereq: Consent of instructor. (Same as ANT 765.)

- Offered in the Fall of 2012 and 2013; cancelled both times.

EDP 557 EDUCATIONAL STATISTICS. (3)

A study of the applications of statistical and graphical methods to educational data. Basic descriptive statistics, correlation, the normal distribution, and hypothesis testing will be covered. Prereq: MA 109 or equivalent; undergraduate or graduate status in the College of Education; or consent of instructor.

- Generally offered every semester
- Multiple sections offered

APPROVED STATISTICS AND METHODS COURSES

EDP 621 ADVANCED TOPICS AND METHODS OF EVALUATION. (3)

An advanced course in evaluation methods and techniques with an emphasis on quantitative methodology. State of the art ideas and methods of conducting evaluation studies and analyzing data from those studies are presented. The course is designed primarily for those who are conducting or will conduct evaluation studies. Prereq: A basic course in statistics or its equivalent; EDP/EPE/ANT 620; and consent of instructor. (Same as ANT/EPE 621.)

- Generally offered in the Spring semester (depending upon availability of the instructor)
- Most recently taught Spring 2013 by Kelly Bradley

EDP 660 RESEARCH DESIGN AND ANALYSIS IN EDUCATION. (3)

A study of the research methodologies applicable in the several aspects of education. Emphasis is on the design of research and analysis of accumulated data. Prereq: EDP 557.

- Generally offered every semester
- Usually taught by Hongwei “Patrick” Yang

EDP 707 MULTIVARIATE ANALYSIS IN EDUCATIONAL RESEARCH. (3)

A study of several techniques for the analysis of educational outcomes utilizing multiple variables. Prereq: EDP 660 or equivalent.

- Generally offered in the Fall or Spring semester
- Usually taught by Hongwei “Patrick” Yang

GRN 650 RESEARCH METHODS IN GERONTOLOGY. (3)

This course will provide training in research methods appropriate for the study of aging and the aged and will critically assess special considerations involved in studying this population. Topics to be covered will include: data sources for research on aging (including medical informatics and clinical epidemiology sources); the use of animal models in aging research; research designs for the study of aging [reconciling age, period, and cohort effects]: longitudinal research; measurement tools for assessing the elderly [functional assessment, ADLs, life satisfaction scales, etc.] issues in interviewing older people; qualitative methods in aging research; the ethics of research on aging and the aged. Prereq: STA 570 or equivalent

- Generally offered in the Spring semester
- Usually taught by Joy Jacobs-Lawson

PSY 611 PSYCHOLOGICAL RESEARCH. (3)

The course deals with the design of psychological experiments. Emphasis is upon issues concerning choice of appropriate designs for psychological research. Both experimental and correlational research designs are studied. Required of all graduate students in psychology. Prereq: PSY 610 or permission of instructor.

- Generally offered in the Spring semester
- Usually taught by Jennifer Jewell and Peggy Keller

APPROVED STATISTICS AND METHODS COURSES

PSY 779 TOPICAL SEMINAR IN SOCIAL PSYCHOLOGY. (3)

Each semester some topic in the field of social psychology, such as attitudes and beliefs, structures and function of social groups, social determinants of behavior, leadership, and morale will be studied intensively. May be repeated to a maximum of six credits. (Same as SOC 779.)

- Topic of interests vary; look for Structural Equation Modeling (SEM) though hasn't been taught in the recent past
- Generally offered sporadically, depending on the availability of the instructor

SOC 681 RESEARCH DESIGN AND ANALYSIS. (3)

Problem definition and delimitation, design appropriate to problem and data, and selection of appropriate analysis techniques; critical examination of representative research studies. Prereq: Elementary statistics.

- Most recently offered in Fall 2012 by Janet Stamatel

STA 570 BASIC STATISTICAL ANALYSIS. (3)

No information available.

- Usually offered every semester including 8-week summer session
- Multiple sections offered

STA 671 REGRESSION AND CORRELATION. (2)

Simple linear regression, elementary matrix algebra and its application to simple linear regression; general linear model, multiple regression, analysis of variance tables, testing of sub hypotheses, nonlinear regression, step-wise regression; partial and multiple correlation. Emphasis upon use of computer library routines; other special topics according to the interests of the class. Lecture, three hours per week; laboratory, two hours per week for seven and one half weeks. Prereq: STA 570 or EDP 557.

- Generally offered in the Fall and Spring semesters
- Multiple sections offered

STA 677 APPLIED MULTIVARIATE METHODS. (3)

Survey of multivariate statistical techniques. The multivariate normal distribution; the general linear model; general procedures for parameter estimation and hypothesis testing in the multivariate case; Hotelling's T^2 , multivariate analysis of variance and covariance; structural models for the covariance matrix; utilization of existing computer programs. Prereq: STA 671 and 672, and a knowledge of linear algebra equivalent to MA 262.

- Generally offered in the Spring semester
- Usually taught by Arnold Stromberg

SOC 622 TOPICS AND METHODS OF EVALUATION. (3)

An examination of a subset of evaluation methods, topics, and problems. An introductory course in the area with minimal emphasis on quantitative methods. The course is designed to: provide a perspective from which evaluation studies may be viewed; and, to provide experiences for those who will learn from or conduct evaluations. Prereq: Consent of instructor, and a basic course in statistics or research. (Same as ANT/EDP/EPE 620.)

- Usually offered through Ed. Psych. so their professors teach it.
- Generally offered in the Spring

APPROVED STATISTICS AND METHODS COURSES

SOC 681 RESEARCH DESIGN AND ANALYSIS. (3)

Problem definition and delimitation, design appropriate to problem and data, and selection of appropriate analysis techniques; critical examination of representative research studies. Prereq: Elementary statistics.

- Generally only offered in the Fall
- Most recently taught by Janet Stamatel

SOC 682 SPECIAL TOPICS IN ADVANCED SOCIOLOGICAL METHODS. (1-3)

A focused treatment of one or more issues, topics, or problems in sociological methods such as time-series analysis, causal analysis, participant observation, conduct of experiments, sociohistorical methods, scale construction, etc. May be repeated to a maximum of nine credits. Prereq: SOC 681 or equivalent.

- Most recently offered in Spring and Fall of 2013; cancelled both times
- At one point, this course was offered every semester on a rotating basis with qualitative methods in the Fall and quantitative in the Spring.
- Instructor varies