Bachelor of Science (BSDH) Completion Degree

Research Course Options (3 credits)

Refer to current Class Schedule for semester offerings.

MATH-K 300 STATISTICAL TECHNIQUES FOR HEALTH PROFESSIONS (3 cr.) P: MATH-M 14 or Level 3 on mathematics placement examination. R: MATH-M 125. Course introduces nursing/health science students to the basic concepts and techniques of data analysis needed in professional health care practice. Measurements, data analysis, and statistics are examined. Differences in types of qualitative data and methods of interpretation are explored. Procedures of estimation and hypothesis testing are also studied. Emphasis is on the application of fundamental concepts to real situations in client care. Credit given for only one of MATH-K 300 and MATH-K 310. I

NURS-H 355 DATA ANALYSIS IN CLINICAL PRACTICE AND HEALTH CARE RESEARCH (3 cr.) P: MATH-M 107 or R.N. license. This course introduces nursing and other health sciences students to the basic concepts and techniques of data analysis needed in professional health care practice. Principles of measurement, data summarization and univariate and bivariate statistics are examined. Differences in types of qualitative data and methods by which these types of data can be interpreted are also explored. Emphasis is placed on the application of fundamental concepts to real world situations in health care. II, S

PSY-P 354 STATISTICAL ANALYSIS IN PSYCHOLOGY (3 cr.) P: PSY-P 103 or PSY-P 106; MATH-M 110 or equivalent. R: MATH-M 118, PSY-P 211. Introduction to statistics, including measures of central tendency and dispersion, elementary probability, and concepts of statistical inference, decision making, and hypothesis testing. Other topics covered include regression and correlation, analysis of variance and nonparametric methods. I, II, S
(contact professor for approval prior to enrolling)

SOC-S 351 SOCIAL STATISTICS (3 cr.) P: MATH-M 14 or equivalent. Introduction to statistics, including measures of central tendency and dispersion, probability, statistical inference and hypothesis testing, regression and correlation, and analysis of variance. A general introduction to computers with a special emphasis on the use of computers for statistical analysis. Computers are used throughout this course. I, II

CJUS: CRIMINAL JUSTICE

CJUS-K 300 TECHNIQUES OF DATA ANALYSIS (3 cr.) It covers the properties of single variables, the measurement of association between pairs of variables, and statistical inference. Additional topics, such as the analyses of qualitative and aggregated data, address specific criminal justice concerns. Credit given for only one of the following: CJUS-K 300, SOC-S 351, ECON-E 270, PSY-P 354, MATH-K 300, or MATH-K 310.