

EXER 210: Applied Stats and Research Methods in Exercise and Sport

Explains the mathematical basis for statistics, including descriptive measures, probability, and hypothesis testing. Includes applications in exercise and sport science including software to create data sets, run analyses, and produce proper output. Other topics include experimental and non-experimental research design, sampling, hypothesis formulation and testing, power calculation, t-tests, ANOVA, correlation, simple and multiple regression, and chi square within the context of planning, conducting, and writing and reporting of research in the field of Exercise Science.

Credits: 3

Prerequisites:

Kinesiology major.

Program: Exercise Science