Course Number
STA-164-01
Course Description
Experimentation is at the heart of the scientific method, both in the physical and social sciences. Not only do experiments validate or disprove existing hypotheses, but often unexpected results lead to the development of new hypotheses and new theoretical understanding. This course will focus on strategies to accelerate the scientific method when experimenting with multiple variables. Specific topics include design options, such as simple comparative experiments, factorials and fractional factorials, and response surface designs, as well as analysis methods such as graphical methods, analysis of variance, and regression models.
Academic Term
22/SP
Instructor
Hoerl, Roger
Location & Meeting Time
Wold Center-128+ M/W/F 09:15AM-10:20AM LEC
Credits
1.00
Capacity
18
Total Students
16
Common Curriculum
QMR Quant & Math Reasoning
Academic Department
Mathematics
Field Of Study
Statistics (STA)