Approved Electives for the Graduate Portfolio Program in Applied Statistical Modeling

Choose two courses from Category 2 or one course from Category 1 and one from Category 2.

Courses that are offered for Spring 2021 are highlighted below.

Category 1
EDP 380C.4: Correlation and Regression Methods
M 384E: Design and Analysis of Experiments
M 384G: Regression Analysis
ORI 390R: Regression and Analysis of Variance
PSY 384K: Advanced Statistics: Experimental Design
PSY 394T: Regression Analysis
SDS 384.6: Design and Analysis of Experiments
SDS 384.4: Regression Analysis
SDS 385: Applied Regression
STA 380: Mathematical Statistics for Applications
STA 380: Statistical Computer Packages

Category 2
BIO 384K: Bayesian Modeling
BIO 384K: Muddyboots Statistics
CE 387T: Decision, Risk, and Reliability
CE 392R: Discrete Choice Theory Modeling
CE 397: Acquisition and Analysis of Transport Data
CH 382L: Advanced Physical Chemistry: Statistical Mechanics
CS 380N: Data Mining: A Statistical Learning Perspective
EDP 380C.12: Survey of Multivariate Methods
EDP 380C.18: Applied Bayesian Analysis
EDP 380C.22: Analysis of Categorical Data
EDP 380D.4: Psychometric Theory and Methods
EDP 380D.8: Item Response Theory
EDP 380D.12: Computerized-Based Testing
EDP 381D: Advanced Statistical Modeling
EDP 381C.12: Meta-Analysis
EDP 381C.14: Causal Inference
EDP 382K: Factor Analysis
EE 380L: Introduction to Pattern Recognition and Computer Vision
EE 380L: Data Mining
EE 380N: Stochastic Control Theory
EE 381J: Probability and Stochastic Processes I
CS 391D: Data Mining: Mathematical Perspective
CS 395T: Computational Statistics with Application to Bioinformatics
EDP 380C.14: Structural Equation Modeling
EDP 380C.16: Hierarchical Linear Modeling
EE 381M: Probability and Stochastic Processes II
GEO 383D: Numerical Methods I: Computational Methods Geological Sciences

ME 388H: Nuclear Safety and Security
NEU 385L: Bootstrap Statistics
ORI 390R: Time Series Analysis
ORI 390R: Reliability Theory and Modeling
ORI 390R: Applied Stochastic Processes
ORI 390R: Queueing Theory
ORI 390R: Systems Simulation
ORI 390R.16: Markov Decision Processes
ORI 391Q: Stochastic Optimization
ORI 397: Decision Analysis
ORI 397: Nuclear Safety and Security
PA 388K: Evaluation of Social Policy and Programs
PSY 394T: Advanced Applied Statistics I
PSY 394T: Advanced Applied Statistics II
PSY 394T: Structural Equation Modeling
PSY 394U: Bootstrap Statistics
SOC 384M: Evaluation of Social Policy in Latin America
SOC 385K: Social Statistics: Discrete Multivariate Models
SOC 386L: Social Statistics: Dynamic Models and Longitudinal Data Analysis
SOC 395J: Structural Equation Models of Health and the Life Course
SDS 383C: Statistical Modeling I
SDS 385: Analysis of Categorical Data
SDS 385: Hierarchical Linear Models
SDS 385: Survival Analysis/Duration Modeling
SDS 385: Social Statistics: Discrete Multivariate Models
SDS 385: Social Statistics: Dynamic Models and Longitudinal Data Analysis
SDS 385: Modern Statistical Methods
SDS 385: Longitudinal Analysis
SDS 386C: Probabilistic Graphical Models
SDS 386D: Monte Carlo Methods in Statistics
SDS 387: Linear Models
SDS 389: Time Series and Dynamic Models
SDS 395: Applied Microeconometrics
STA 380: Applied Multivariate Methods
STA 380: Bayesian Econometrics
SW 388R-5: Structural Equation Modeling
SW 388R-12: Hierarchical Linear Modeling