

Statistics (STAT)

Courses

STAT 342 Linear Algebra 3 Credits

Solution of systems of linear equations, matrices, vector spaces, bases, linear transformations, eigenvalues, eigenvectors, additional topics as time permits. Restricted to graduate students in the MS in Statistics program. Prerequisites as noted below or consent of instructor. Credit may not be received for both MATH 242 and STAT 342.

STAT 408 Seminar in Statistics and Probability 1-6 Credits

Intensive study of some field of statistics or probability not offered in another course. Consent of department required.

STAT 409 Seminar in Statistics and Probability 1-6 Credits

Intensive study of some field of statistics or probability not offered in another course. Consent of department required.

STAT 410 Random Processes and Applications 3 Credits

See MATH 310.

STAT 412 Statistical Computing and Applications 3 Credits

See MATH 312.

STAT 434 Mathematical Statistics 3 Credits

See MATH 334.

STAT 438 Linear Models In Statistics with Applications 3 Credits

See MATH 338.

Prerequisites: (MATH 012 or MATH 231) and (MATH 043 or MATH 205 or MATH 242)

STAT 461 Topics In Mathematical Statistics 3 Credits

See MATH 461.

STAT 462 Modern Nonparametric Methods in Statistics 3 Credits

See MATH 462.

STAT 463 (MATH 463) Advanced Probability 3 Credits

See MATH 463.

Prerequisites: MATH 309 and MATH 401

STAT 464 Advanced Stochastic Processes 3 Credits

See MATH 464.

STAT 471 Topics in Statistical Learning and Computing 3 Credits

Selected advanced topics in statistical learning and computing. Possible topics include linear and nonlinear regression, applied spatial statistics, applied multivariate and longitudinal data analysis, functional data analysis, survival analysis, data analytics, statistical methods that use intensive-computing or simulations, data mining techniques, with application and interpretation of a variety of statistical methods in real world problems. Topics could vary from one semester to another depending on the interests of the faculty member and the students.

Repeat Status: Course may be repeated.