Statistics 425

Time Series Analysis (3)
(Effective Spring 2018)

**Prerequisite:** STAT 365 or departmental approval

**Catalog Description:** Introduction to time series analysis. Autoregressive, moving average, ARMA, ARIMA models. Identification, estimation, validation, forecasting, confidence intervals.

**Learning Outcomes for Major:** This course addresses one or more of the student learning outcomes for the major.

Upon completion of his/her degree from the University of Tennessee at Martin with a major in mathematics, the graduate will be able to:

i. apply mathematical concepts and principles to perform numerical and symbolic computations.

ii. use technology appropriately to investigate and solve mathematical and statistical problems.

iii. write clear and precise proofs.

iv. communicate effectively in both written and oral form.

v. demonstrate the ability to read and learn mathematics and/or statistics independently.


**Disability Services:** The University of Tennessee provides reasonable accommodations (academic adjustments and auxiliary aids) to ensure equal access to educational content and university programs for students with disabilities. Students who are eligible for and who request accommodations through the Disability Services office must provide instructors with a letter of accommodation. The Disability Services office is located in the Student Success Center, 203 Clement Hall, (731) 881–7605.