ACADEMIC CATALOG
2026-2027



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Course 2
STA 320 - Forecasting 2

Course

STA 320 - Forecasting

This course explores statistical techniques used to make accurate predictions based on historical data, with a focus on time series analysis and forecasting methods. Students will learn how to identify patterns, trends, and seasonal effects in time series data, and apply models such as moving averages, exponential smoothing, and ARIMA (Autoregressive Integrated Moving Average) to forecast future values. Emphasis will be placed on model selection, evaluation, and refinement to improve prediction accuracy. Through practical applications using statistical software, students will gain hands-on experience in developing forecasts for real-world.

Grade Basis: L
Credit hours: 3.0
Lecture hours: 3.0

Prerequisites:

- MTH 139 - Introduction to Statistics
- MTH 245 - Probability and Statistics
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