ECMT 461 Economic Data Analysis  
Credits 3. 3 Lecture Hours.  
Concepts of statistical description, probability theory and statistical inference as they apply to economic analysis; data management, data handling and data analysis; focus on economic statistics with emphasis on regression analysis.  
**Prerequisite:** MATH 141 or equivalent.

ECMT 463 Introduction to Econometrics  
Credits 3. 3 Lecture Hours.  
Application of mathematics and statistics to interpret economic phenomena; elementary econometric models and estimation techniques useful for estimating economic relationships and theories.  
**Prerequisites:** ISTM 209; ECON 323; MATH 131 or MATH 142; STAT 211 or STAT 303.

ECMT 475 Economic Forecasting  
Credits 3. 3 Lecture Hours.  
Econometric approach to prediction and forecasting; data mining and in-sample overfitting; exploratory data analysis; model selection; recursive techniques; structural change; nonlinear models; causality; forecast evaluation and combination; practical issues in real world prediction and forecasting.  
**Prerequisites:** ECMT 463; junior or senior classification.