BUSINESS ANALYSIS (BANA)

BANA 2372. Business Analysis. 3 Hours. [TCCN: BUSI 2305]
Students are introduced to the use of business statistics. Topics may include: data visualization, descriptive statistics, probability, discrete and continuous distributions, statistical modeling, and inference.
Prerequisite: MATH 1314, or MATH 1324, or MATH 1410, or MATH 1420, and (BUAD 1305 or CSTE 1330, concurrent enrollment allowed).

BANA 3363. Inter Business Analysis. 3 Hours.
This course is a continuation of BANA 2372 and is designed to introduce the use of statistics as a business tool in the face of incomplete knowledge. Students will learn the following topics in this course: estimation, hypothesis testing, analysis of variance, goodness-of-fit measures, correlation, simple and multiple regression.
Prerequisite: BANA 2372 or MATH 1342.

BANA 3364. Operations Research. 3 Hours.
In this course, students will learn quantitative methods used in the analysis of business problems. Topics include: decision theory, linear programming, transportation and inventory models, Bayesian probability, and queuing theory.
Prerequisite: BANA 2372 or MATH 1342.

BANA 4080. Independent Study. 3 Hours.
The credit in this course varies according to the work performed. The student may pursue special studies for which a special course is not organized. Variable Credit (1 to 3).
Prerequisite: Departmental approval.

BANA 4365. Intro To Bus Forecasting& Econ. 3 Hours.
In this course, students will apply statistical methods for business and economic forecasting and for hypothesis testing, estimation, and analyzing economic data.
Prerequisite: 50 Completed hours and ECON 2301, ECON 2302, and BANA 3363.

BANA 4373. Advanced Business Analytics for Economics and Business. 3 Hours.
Students learn how to analyze business data using advanced statistical methods, tools and software. Topics include data preparation, data visualization, and deployment of automated analytics pipelines using the appropriate computer software.
Prerequisite: BANA 2372 or MATH 1342.