Motions of the Faculty Senate Undergraduate Curriculum Committee approved by Faculty Senate, 4-5-24

New Course Proposal: ECON 310

Course Number & Title: ECON 310 Sports Economics and Analytics

Department: Economics

Credit Hours: 3

Prerequisites: ECON 232, MATH 108

Course Description: Application of economic, numerical, and statistical analysis to the study of sport. Examines how to make good decisions on and off the field using both economic theory and data-analytic methods.

New Course Proposal: EVS 216

Course Number & Title: EVS 216 Data Analysis for Scientific Investigation

Departments: Biology & Toxicology and Environmental Sciences

Credit Hours: 3

Prerequisites: 3 years of High School mathematics

Course Description: This course will introduce students to quantitative applications in the sciences with class discussions and activities that use practical, real-world examples. We will use data management and statistical software programs to: 1, apply standard practices of data management to organize and summarize scientific data; 2, understand how to correctly analyze and interpret results from scientific experiments and 3, develop competencies in data visualization. Class discussions will also include a critical evaluation of statistical applications from peer-reviewed literature.

New Course Proposal: BANA 350

Course Number & Title: BANA 350 Machine Learning for Business

Department: Business Analytics

Credit Hours: 3

Prerequisites: BANA 348

Course Description: Applications of machine learning methods to the business setting. The course covers prediction and classification methods, social network analysis & text mining, and other topics in an emerging field of AI within a variety of business disciplines.

Course Revision Proposal: [FIN 228](FIN 228)

Course Number & Title: FIN228 Financial Management

Department: Finance

Credit Hours: 3

Prerequisites: ACCT 201

Course Description: An introductory course in finance, focusing on financial management of organizations. Specific topics include: risk and return analysis, ratio analysis, time value of money, basic security valuation, capital budgeting methods, and introduction to international finance.

Program Revision: BSBA in Business Analytics

a. **Brief Rationale:** This proposal introduces changes to BSBA in Business Analytics to reflect the course offerings and student needs. The following changes are requested:
   i. Add a newly proposed course, BANA 350, to the list of required classes
   ii. Remove one elective - the total number will decrease from five to four
   iii. Replace BUS 339 Business Internship with the major-specific BUS 339 M Business Analytics Internship
   iv. Offer a choice between MGT 340 and MATH 308 to make the major accessible to students from other AU colleges
   v. Add a newly proposed course, ECON 310, to the list of electives

Program Revision: Business Analytics Minor

a. **Brief Rationale:** Department of Economics, Finance, and Business Analytics proposes changes to the course offerings and requirements of the minor in Business Analytics to make it more accessible to students outside of the College of Business and Economics. Proposed changes include:
   i. adding a choice between MATH 308 Operations Research and MGT 340 Management Science.
   ii. adding newly proposed courses BANA 350 Machine Learning for Business & ECON 310 Sports Economics and Analytics to the list of electives

Program Revision: BS in Criminal Justice

a. **Brief Rationale:** The criminal justice department is proposing to remove two required CJ courses (CJ307 Victimology & CJ465 Restorative Justice) and move those courses to the list of CJ electives. This will reduce the number of required CJ courses and increase the number of required CJ elective courses.