CATALOG YEAR 2015-2016

COLLEGE/SCHOOL/SECTION: A.R. Sanchez, Jr. School of Business

Course: Add: ___  Delete: ___  Delivery: ___
(check all that apply) Change: Number ___  Title ___  SCH ___  Description ___  x Prerequisite ___

Response Required: New course will be part of major ___  minor ___  as a required ___  or elective ___ course

Response Required: New course will introduce ___  reinforce ___  or apply ___ concepts

Response Required: Grade Type ___  Normal (A-F) ___  CR/NC ___  P/F

Shortened Course Format: Equivalent Student Learning Outcomes verified: ___

If new, provide Course Prefix, Number, Title, Measurable Student Learning Outcomes, SCH Value, Description, prerequisite, and lecture/lab hours if applicable. If in current online catalog, provide change and attach text with changes in red and provide a brief justification.

Program: Delete: ___  Add: ___  Change: ___  Attach new/changed Program of Study description and 4-year plan. If in current online catalog, provide change and attach text with changes in red.


Minor: Add: ___  Delete: ___  Change: ___  Attach new/changed minor. If in current online catalog, provide change and attach text with changes in red.

College Introductory Pages: Add information: ___  Change information: ___  Attach new/changed information. If in current online catalog, provide change and attach text with changes in red.

Other: Add information: ___  Change information: ___  Attach new/changed information. If in current online catalog, provide change and attach text with changes in red.

Approvals:

Chair
Department Curriculum Committee

Chair
Department

Chair
College Curriculum Committee

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Provost

2014

Signature

Date

982Ranch

2/24/2015

2/24/15

2/24/2015

R. Stephen Sears

2/24/2015
http://www.tamiu.edu/catalog/current/courses/mis5375.shtml

Current Course Description:

MIS 5375

Data Mining and Business Analytics

Three semester hours.

Business Intelligence (BI) is a multifaceted concept that includes the tools, architecture, data warehouses and methods supporting data collection, analysis and presentation. The principal focus of the course is on major managerial and strategic issues related to collection, integration, distribution and analysis of enterprise-wide information quickly and effectively. BI is used today not only in executive level decision making but also at the operational and other levels. The topics covered in this course that support these aspects are: data mining, data warehouse, data extraction, BI spectrum, BI cycles, Online Analytical Processing (OLAP), Business Process Management (BMP), multi-dimensional data analysis, visualization, clouds for BI, data security and ethical handling of data. Students will be introduced to leading edge technical tools for hands-on data analysis and integration. Prerequisites: DS 2310 or equivalent.

New Course Description:

This course describes the set of techniques and tools for the transformation of an organization's raw data into meaningful and useful information for business decision-making. Major topics include data warehousing, data mining, data analytics, and statistical modeling. Prerequisites: DS 2310 or equivalent.

Justification for course description change: Previous course description was both too comprehensive and specific. It included too many topics to be covered in one course. Several of the topics included were too specific to be relevant over time, as new technologies and terms change very rapidly in this field.