DS 102: FOUNDATION AND TOOLS FOR BUSINESS ANALYTICS

In Workflow

1. CBA College Committee Chair (jlee@csus.edu)
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Approval Path

1. Mon, 19 Dec 2022 01:23:11 GMT
   Jai Joon Lee (jlee): Approved for CBA College Committee Chair
2. Thu, 05 Jan 2023 01:18:46 GMT
   Andrey Mikhailitchenko (mikhaili): Approved for CBA Dean

New Course Proposal

Date Submitted: Wed, 14 Dec 2022 18:17:24 GMT

Viewing: DS 102 : Foundation and Tools for Business Analytics
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Changes proposed by: Min Li (101017159)

Contact(s):

Name (First Last)	Email	Phone 999-999-9999
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Catalog Title:

Foundation and Tools for Business Analytics

Class Schedule Title:

Foundation and Tools for B.A.

Academic Group: (College)

CBA - Business

Academic Organization: (Department)

Information Systems and Business Analytics

Will this course be offered through the College of Continuing Education (CCE)?

No

Catalog Year Effective:

Fall 2023 (2023/2024 Catalog)

Subject Area: (prefix)

DS - Decision Sciences

Catalog Number: (course number)

102

Course ID: (For administrative use only.)

TBD

Units:

3

Is the only purpose of this change to update the term typically offered or the enforcement of existing requisites at registration?
No

In what term(s) will this course typically be offered?
Fall, Spring, Summer

Does this course require a room for its final exam?
Yes, final exam requires a room

This course complies with the credit hour policy:
Yes

Justification for course proposal:
Need a foundational course to prepare business analytics students with knowledge and tools required by other business analytics courses. Currently there is no such a required course for business analytics students.

Course Description: (Not to exceed 80 words and language should conform to catalog copy.)
Introduce and familiarize students with key aspects of business analytics and common software and programming tools that are critical to business analytics. Upon successful completion of this course, students will be ready to apply the foundational knowledge and software and programming tools in other business analytics courses.

Are one or more field trips required with this course?
No

Fee Course?
No

Is this course designated as Service Learning?
No

Is this course designated as Curricular Community Engaged Learning?
No

Does this course require safety training?
No

Does this course require personal protective equipment (PPE)?
No

Does this course have prerequisites?
Yes

Prerequisite:
MATH 24, STAT 1; Business, Computer Science, and Mathematics are approved majors to enroll in the course.

Prerequisites Enforced at Registration?
Yes

Does this course have corequisites?
No

Graded:
Letter

Approval required for enrollment?
No Approval Required

Course Component(s) and Classification(s):
Lecture

Lecture Classification
CS#02 - Lecture/Discussion (K-factor=1WTU per unit)

Lecture Units

3

Is this a paired course?

No

Is this course crosslisted?

No

Can this course be repeated for credit?

No

Can the course be taken for credit more than once during the same term?

No

Description of the Expected Learning Outcomes and Assessment Strategies:

List the Expected Learning Outcomes and their accompanying Assessment Strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers). Click the plus sign to add a new row.

	Expected Learning Outcome	Assessment Strategies
1	Demonstrate an understanding of different types of analytics in business: descriptive analytics, predictive analytics, and prescriptive analytics.	Exams Quizzes Homework Assignments
2	Demonstrate basic skills in applying analytics knowledge and software and programming tools to solve business problems.	Exams Quizzes Homework Assignments
3	Apply analytics software tools for pre-processing data required for exploratory data analysis and visualization.	Quizzes Homework Assignments

Attach a list of the required/recommended course readings and activities:

DS102_Syllabus.docx
2022_CBA_BusinessAnalytics_BS_ SmartPlanner.docx

For whom is this course being developed?

Majors in the Dept
Minors in the Dept

Is this course required in a degree program (major, minor, graduate degree, certificate?)

Yes

Has a corresponding Program Change been submitted to Workflow?

Yes

Identify the program(s) in which this course is required:

Programs:
BS in Business Administration (Business Analytics)

Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer)?

No

Will there be any departments affected by this proposed course?

No

I/we as the author(s) of this course proposal agree to provide a new or updated accessibility checklist to the Dean's office prior to the semester when this course is taught utilizing the changes proposed here.

I/we agree

University Learning Goals

Undergraduate Learning Goals:

Competence in the disciplines

Integrative learning
Intellectual and practical skills

Is this course required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?
No

GE Course and GE Goal(s)

Is this a General Education (GE) course or is it being considered for GE?
No

Key: 14787