

MSBA 213: FINANCIAL ANALYTICS

In Workflow

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Approval Path

1. Wed, 08 Apr 2020 21:04:31 GMT
Jai Joon Lee (jlee): Approved for CBA College Committee Chair
2. Wed, 08 Apr 2020 23:55:08 GMT
Jaydeep Balakrishnan (jaydeep.balakrishnan): Approved for CBA Dean

New Course Proposal

Date Submitted: Wed, 25 Mar 2020 22:41:40 GMT

Viewing: MSBA 213 : Financial Analytics

Last edit: Wed, 25 Mar 2020 22:41:39 GMT

Changes proposed by: Min Li (101017159)

Contact(s):

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

Financial Analytics

Class Schedule Title:

Financial Analytics

Academic Group: (College)

CBA - Business Administration

Academic Organization: (Department)

Business Administration

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

Yes

Please specify:

CCE Only

Catalog Year Effective:

Fall 2020 (2020/2021 Catalog)

Subject Area: (prefix)

MSBA - Business Analytics

Catalog Number: (course number)

213

Course ID: (For administrative use only.)

TBD

Units:

3

In what term(s) will this course typically be offered?

Fall, Spring, Summer

Does this course require a room for its final exam?

No, final exam does not require a room

Does this course replace an existing experimental course?

No

This course complies with the credit hour policy:

Yes

Justification for course proposal:

This is an elective course for the proposed MS in Business Analytics program.

Course Description: (Not to exceed 80 words and language should conform to catalog copy.)

This course introduces and develops the collection, analysis, visualization, and interpretation of financial data. The course utilizes current statistical programming environments and techniques applied to analytics-friendly finance problems including optimum portfolio selection, quantitative security analysis, performance measurement, and back-testing.

Are one or more field trips required with this course?

No

Fee Course?

No

Is this course designated as Service 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:

MSBA 205

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=1 WTU 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: Describe outcomes using the following format: 'Students will be able to: 1), 2), etc.'

By the end of this course students will be able to:

1. Understand the general optimization problem framework.
2. Collect and organize primary and secondary sources of financial data.
3. Understand basic quantitative security analysis.
4. Identify relevant financial performance measures.

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

SYLLABUS_MSBA213_FinancialAnalytics.docx

Assessment Strategies: A description of the assessment strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers) which will be used by the instructor to determine the extent to which students have achieved the learning outcomes noted above.

Students will be assessed on the curriculum in the class using a variety of methods, including:

Projects
Exams
Quizzes
Homework Assignments

For whom is this course being developed?

Majors 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?

No

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

Programs:

Master of Science in 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

Graduate (Masters) Learning Goals:

Critical thinking/analysis
Communication

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

Is this a Graduate Writing Intensive (GWI) course?

No

Key: 13897