

# MSBA 204: DECISION ANALYTICS

## In Workflow

1. CBA College Committee Chair (panggabean@csus.edu,joseph.taylor@csus.edu)
2. CBA Dean (ptong@csus.edu)
3. Academic Services (catalog@csus.edu)
4. Senate Curriculum Subcommittee Chair (curriculum@csus.edu)
5. Dean of Undergraduate and Graduate (Dean of Undergraduate and Graduate@csus.edu)
6. Catalog Editor (catalog@csus.edu)
7. Registrar's Office (k.mcfarland@csus.edu)
8. PeopleSoft (PeopleSoft@csus.edu)

## Approval Path

1. 2026-04-15T22:19:45Z  
Tota Panggabean (panggabean): Approved for CBA College Committee Chair
2. 2026-04-20T20:24:18Z  
Pingsheng Tong (ptong): Approved for CBA Dean

## History

1. Mar 31, 2021 by Min Li (limin)
2. Sep 9, 2024 by 302822325

Date Submitted: 2026-04-11T00:49:08Z

**Viewing: MSBA 204 : Decision Analytics**

**Last approved: Mon, 09 Sep 2024 14:03:25 GMT**

**Last edit: 2026-08-28T20:51:20Z**

Changes proposed by: Min Li (101017159)

**Contact(s):**

| Name (First Last) | Email          | Phone 999-999-9999 |
|-------------------|----------------|--------------------|
| Min Li            | limin@csus.edu | 916-278-7132       |

**Catalog Title:**

Decision Analytics

**Class Schedule Title:**

Decision Analytics

**Academic Group: (College)**

CBA

**Academic Organization: (Department)**

Information Systems and Business Analytics

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

Yes

**Please specify:**

CCE Only

**Catalog Year Effective:**

Spring 2027 (2026/2027 Catalog)

**Subject Area: (prefix)**

MSBA - Business Analytics

**Catalog Number: (course number)**

204

**Course ID: (For administrative use only.)**

203606

**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:**

This change updates the course classification from Seminar (CS#05) to Lecture/Discussion (CS#02) to accurately reflect the instructor-led format of MSBA courses, which include structured lectures, guided discussions, technical demonstrations, and applied analytical exercises. In addition, the designation "Final exam requires a room" is added to accommodate in-person assessment needs, as the program now enrolls international students who are required to attend class in person. Previously, the program primarily served domestic online students. These updates do not alter course content, learning outcomes, or credit hours but ensure that the course classification and logistical designations accurately reflect the current instructional delivery and student population.

**Course Description: (Not to exceed 90 words and language should conform to catalog copy.)**

Introduces students to analytics and decision models for the solution and analysis of business problems. Topics include mathematical programming, decision theory, analysis of waiting lines, simulation, and Markov processes.

**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?**

No

**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 | explain what decision models are and how it may be used as an aid to decision making, | Projects<br>Quizzes                       |
| 2 | formulate mathematical models of real-world decision-making problems,                 | Projects<br>Exams<br>Homework Assignments |
| 3 | analyze business problems quantitatively using software tools.                        | Projects<br>Homework Assignments          |

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

SYLLABUS\_DecisionAnalytics.docx

**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:**

MS 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:**

Disciplinary knowledge  
Critical thinking/analysis

**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: 13890