MIS 172: TECHNOLOGY STRATEGY AND ARCHITECTURE

In Workflow

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

1. Fri, 21 Mar 2025 16:43:33 GMT
   Joseph Taylor (joseph.taylor): Approved for CBA College Committee Chair
2. Fri, 21 Mar 2025 17:14:01 GMT
   Pingsheng Tong (ptong): Approved for CBA Dean

New Course Proposal

Date Submitted: Thu, 20 Mar 2025 03:13:38 GMT

Viewing: MIS 172 : Technology Strategy and Architecture

Last edit: Thu, 20 Mar 2025 03:13:37 GMT

Changes proposed by: Joseph Taylor (219186475)

Contact(s):

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

Technology Strategy and Architecture

Class Schedule Title:

Technology Strategy and Arch

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:

Spring 2026 (2026/2027 Catalog)

Subject Area: (prefix)

MIS - Management Information Systems

Catalog Number: (course number)

172

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

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

Does this course replace an existing experimental course?
No

This course complies with the credit hour policy:
Yes

Justification for course proposal:
Course is part of a new concentration with the BS in Business Administration focused on AI Management

Course Description: (Not to exceed 90 words and language should conform to catalog copy.)
A comprehensive exploration of the strategic and architectural considerations essential for leveraging technologies such as artificial intelligence (AI) in modern technology ecosystems. Students will analyze the role of technology in shaping business strategy, assess the components of effective technology architectures, and evaluate the challenges and opportunities of implementing technology at scale.

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:
MIS 130, MIS 152

Prerequisites Enforced at Registration?
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#01 - Large Lecture (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 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	Analyze the alignment between business strategy and IT architecture, identifying key technologies that support organizational goals.	Projects Assignments
2	Evaluate various architectural models and frameworks (e.g., TOGAF, Zachman) in terms of their effectiveness in addressing specific enterprise technology challenges.	Exams Assignments
3	Design technology architectures that balance business needs with technical constraints, ensuring scalability, security, and maintainability	Labs Exams
4	Assess the risks and benefits of emerging technologies, evaluating their potential impact on organizational competitiveness and long-term strategy	Assignments Projects
5	Develop strategies for technology adoption and transformation, including considerations for change management, stakeholder engagement, and risk mitigation	Projects

Attach a list of the required/recommended course readings and activities:
MIS 172 Syllabus Draft.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 (AI Management)

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

If yes, attach a description of resources needed and verify that resources are available:
Resources Required.docx

Will there be any departments affected by this proposed course?
Yes

Indicate which department(s) will be affected by the proposed course:

Department(s)
Business Administration

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
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: 15292