



SOUTH DAKOTA BOARD OF REGENTS ACADEMIC AFFAIRS FORMS

New Course Request

Use this form to request a new common or unique course. Consult the system course database through for information about existing courses before submitting this form.

NSU

School of Business

Institution

Division/Department

Michael Wanous

11/4/2025

Institutional Approval Signature

Date

Section 1. Course Title and Description

If the course contains a lecture and laboratory component, identify both the lecture and laboratory numbers (xxx and xxxL) and credit hours associated with each. Provide the complete description as you wish it to appear in the system course database, including pre-requisites, co-requisites, and registration restrictions.

Prefix & No.	Course Title	Credits
BADM 486/586	Analytics II	3

NOTE: The Enrollment Services Center assigns the short, abbreviated course title that appears on transcripts. The short title is limited to 30 characters (including spaces); meaningful but concise titles are encouraged due to space limitations in the student information system.

Course Description

This course builds upon the foundations established in BADM 459, which introduced key decision models and strategic metrics in data analytics. Students develop applied skills using statistical software to implement and extend quantitative techniques. Topics include cross-validation methods and advanced regression modeling, including the linear probability, logistic, and polynomial models, as well as time series forecasting with autoregressive processes, risk analysis and simulation, and data mining. The course also introduces fundamental concepts in causal inference, with emphasis on experimental methods and difference-in-difference designs. No prior programming experience is required.

NOTE: Course descriptions are short, concise summaries that typically do not exceed 75 words. DO: Address the content of the course and write descriptions using active verbs (e.g., explore, learn, develop, etc.). DO NOT: Repeat the title of the course, layout the syllabus, use pronouns such as "we" and "you," or rely on specialized jargon, vague phrases, or clichés.

Pre-requisites or Co-requisites (add lines as needed)

Prefix & No.	Course Title	Pre-Req/Co-Req?
BADM 220	Business Statistics	Pre-Req
BADM 459	Analytics	Pre-Req

Registration Restrictions

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Section 2. Review of Course

2.1. Will this be a unique or common course (place an "X" in the appropriate box)?

☒ **Unique Course**

If the request is for a unique course, institutions must review the common course catalog in the system course database to determine if a comparable common course already exists. List the two closest course matches in the common course catalog and provide a brief narrative explaining why the proposed course differs from those listed. If a search of the common course catalog determines an existing common course exists, complete the Authority to Offer an Existing Course Form. Courses requested without an attempt to find comparable courses will not be reviewed.

Prefix & No.	Course Title	Credits
BADM 321	Business Statistics II	3
ECON 423	Introduction to Econometrics	3

Provide explanation of differences between proposed course and existing system catalog courses below:

BADM 321 and ECON 423 emphasize different topics than the proposed course. The proposed course covers different analytical techniques with an emphasis on applying techniques using real-world data.

☐ **Common Course** *Indicate universities that are proposing this common course:*

☐ BHSU ☐ DSU ☐ NSU ☐ SDSMT ☐ SDSU ☐ USD

Section 3. Other Course Information

3.1. Are there instructional staffing impacts?

☐ **No.** Replacement of _____
(course prefix, course number, name of course, credits)
*Attach course deletion form

Effective date of deletion: [Click here to enter a date.](#)

☒ **No.** Schedule Management, explain below:

This course will be rotated into the schedule every other year, rotating with an elective that is currently offered annually.

☐ **Yes.** Specify below:

3.2. Existing program(s) in which course will be offered (i.e., any current or pending majors, minors, certificates, etc.):

Elective quantitative option in BS in Finance
Elective course in BS in MIS
Elective course in BS in Business Administration
Elective course in Accounting Analytics, Banking & Financial Services, and Strategic Innovation and Leadership graduate programs

3.3. Proposed instructional method by university (as defined by [AAC Guideline 5.4](#)):

If requesting an instructional method that is exempt from the [Section Size Guidelines](#), please provide a brief description of how the course is appropriate for the instructional method, as defined in AAC Guidelines.

The proposed instructional method is Lecture (R). BADM 486/586 is appropriately delivered in a lecture format because the course content is grounded in the theory and application of statistical and computational methods used in data analytics. The learning environment is highly structured, where the faculty member formally presents the required methodology used to connect underlying statistical theory with practical implementation.

Given that many students enter the course with limited prior experience in statistical coding, the lecture format allows for clear, straightforward communication of both theoretical principles and applied methods. This approach allows students to develop a solid conceptual foundation before moving onto independent data analysis and problem solving. The lecture format also accommodates varying class sizes while maintaining the structured, instructor-led presentation necessary.

3.4. Proposed delivery method by university (as defined by [AAC Guideline 5.5](#)):

F2F (X01)
Online Asynchronous (X15)
HyFlex (X02)

3.5. Term change will be effective:

Fall 2026

3.6. Can students repeat the course for additional credit?

☐ Yes, total credit limit: _____ ☒ No

3.7. Will grade for this course be limited to S/U (pass/fail)?

☐ Yes ☒ No

3.8. Will section enrollment be capped?

☒ Yes, max per section: 30 ☐ No

3.9. Will this course equate (i.e., be considered the same course for degree completion) with any other unique or common courses in the common course system database?

☐ Yes

☒ No

If yes, indicate the course(s) to which the course will equate (add lines as needed):

Prefix & No.	Course Title

3.10. Is this prefix approved for your university?

☒ Yes

☐ No

If no, provide a brief justification below:

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Section 4. Department and Course Codes (Completed by University Academic Affairs)

4.1. University Department: NABF

4.2. Banner Department Code: NABF

4.3. Proposed CIP Code: 521499

Is this a new CIP code for the university? ☐ Yes ☒ No