



## 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

College of Arts and Sciences / Department of Science and Mathematics

Institution

Division/Department

*Michael W. ...*

Institutional Approval Signature

12/11/2020

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
BIOL 409/509	Advanced Biotechnology	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

Analysis and application of the research and techniques currently used to explore and manipulate biological, chemical, and molecular function. Topics include characterization of biochemical activities of gene products, large-scale fermentation, and gene function. Exploration of the business of biotechnology, including therapeutic approaches and drug development, entrepreneurship, the value of intellectual property, the importance of ethics, and the role of biotechnology law in corporate, environmental, and healthcare law.

*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?
N/A		

#### Registration Restrictions

N/A

## **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
MICR 450	Applied Microbiology & Biotechnology	3
HSC 320	Introduction to Epidemiology	3

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

These courses focus on public health and commercial application of biotechnology techniques. The proposed new course offers a more well-rounded approach to biotechnology, specifically focused on aspects of the biotechnological field such as ethics, law, entrepreneurship, and development. Research and techniques are the mainstay for the proposed new course.

☐ **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.** Schedule Management, explain below:

This course will be included in the faculty member's regular workload, with course rotations managed accordingly. BIOL 409 and BIOL 509 will be dual listed courses.

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

The 400-level course can be applied to the Biology and Chemistry programs, as well as those in an Education-track program. Majors and minors in these programs can use the 400-level course as part of their 300-level and above electives. The 500-level course will be a requirement in the MEd Teaching and Learning: Expertise in Discipline (Science) program. BIOL 409 and BIOL 509 will be dual listed.

### **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.*

R - Lecture

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

N15 - Internet Asynchronous – Term Based Instruction

**3.5. Term change will be effective:**

Summer 2021

**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: 25 ☐ 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

**3.10. Is this prefix approved for your university?**

☒ Yes ☐ No

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

**4.1. University Department Code:** NBIOL

**4.2. Banner Department Code:** NBIO

**4.3. Proposed [CIP Code](#):** 26.1201

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