



**SOUTH DAKOTA BOARD OF REGENTS**  
**ACADEMIC AFFAIRS FORMS**  
**New Course Request**

<b>USD</b>	<b>Arts &amp; Sciences / Biology</b>	
<b>Institution</b>	<b>Division/Department</b>	
<i>Elizabeth M. Freeburg</i>		10/17/16
<b>Institutional Approval Signature</b>		<b>Date</b>

**Section 1. Course Title and Description**

Prefix & No.	Course Title	Credits
BIOL 280/280L	Inquiry and Analysis in Biology/Laboratory	1/1

Course Description
This course will teach students foundational skills needed for success in upper level biology courses, research, and careers in the biological sciences. Lecture and lab sessions will help students gain facility in assessing and reading scientific literature, writing technical reports and review papers, construction and interpretation of graphical and tabular data sets, and use and interpretation of simple statistical analyses.

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

Prefix & No.	Course Title	Pre-Req/Co-Req?
BIOL 151/L	General Biology I with lab	Pre-Req
OR	OR	
BIOL 153/L	General Biology II with lab	Co-Req
BIOL 280L	Inquiry and Analysis in Biology Laboratory	

**Registration Restrictions N/A**

**Section 2. Review of Course**

**2.1. Was the course first offered as an experimental course (if yes, provide the course information)?** No

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

**Unique Course**

<b>X</b>
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*If the request is for a unique course, verify that you have reviewed the common course catalog via Colleague and the system [Course Inventory Report](#) 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.*

Prefix & No.	Course Title	Credits
BIOL 145	Introduction to Scientific Inquiry	1

Provide explanation of differences between proposed course and existing system catalog courses below
BIOL 145 offers "An introduction to the history and philosophy of science including the scientific method. Contemporary issues will be studied emphasizing the interaction between science and society." BIOL 280/L will discuss the scientific method but will not address the history of science and will focus on acquisition of technical competencies needed to be a biologist.

**Update 11/16/2016:** Although this course does include a lab component, the primary focus is on “academic success strategies.” We already offer FYE courses that provide this, including ones focus on particular majors such as Biology. The additional topics are largely social and cultural in nature, rather than the skill-based outcomes associated with BIOL 280/L. Moreover, this is explicitly a first-semester course, whereas BIOL 280/L includes a prerequisite of majors Biology; students are therefore assumed to have some content knowledge before beginning this course.

Prefix & No.	Course Title	Credits
BIOL 109	First Year Seminar	2
<i>Provide explanation of differences between proposed course and existing system catalog courses below</i>		
BIOL 109 teaches strategies for academic success and exposes students to discipline specific careers, as will BIOL 280; however, BIOL 280/L will focus on more specific technical skills needed for the practice of biology.		
Update 11/16/2016: This course includes no lab and so cannot address the data-collection component reflected in BIOL 280/L. Again, the content here is clearly social and cultural, not skills-based. An overview of the scientific method is a very broad topic, and it would appear that this course is not designed for Biology majors.		

### **Section 3. Other Course Information**

#### **3.1. Are there instructional staffing impacts?**

No. Schedule Management, explain: Course will be taught with current faculty.

**3.2. Existing program(s) in which course will be offered:** Biology and Medical Biology

**3.3. Proposed instructional method by university:** D Discussion/Recitation / L Laboratory

**3.4. Proposed delivery method by university:** 001 Face-to-face Term Based Instruction

**3.5. Term change will be effective:** Fall 2017

#### **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: Lab sections capped at 15  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 in Colleague and the [Course Inventory Report](#)?**

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:** UBIOL

**4.2. Proposed CIP Code:** 26.0101

*Is this a new CIP code the university?*

Yes  No