



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

<u>USD</u>	<u>Arts &amp; Sciences/Chemistry</u>
<b>Institution</b>	<b>Division/Department</b>
<u>Elizabeth M. Freeburg</u>	<u>3/11/2019</u>
<b>Institutional Approval Signature</b>	<b>Date</b>

**Section 1. Course Title and Description**

Prefix & No.	Course Title	Credits
CHEM 310 & 310L	Fundamental Organic Chemistry & Laboratory	4 + 1

*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 Colleague.*

Course Description
A course focused on topics in organic chemistry most relevant to the study of biological systems for students in pre-professional programs. Content includes organic nomenclature, functional group identification, reaction chemistry, stereochemistry, and structure/function relationships. CHEM 330 completes the organic sequence, a continuation of organic chemistry applied to biomolecules.

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

Prefix & No.	Course Title	Pre-Req/Co-Req?
CHEM 310L	Fundamental Organic Chemistry Laboratory	Co-Req
CHEM 114/116	General Chemistry II (or CHEM 116 Honors Chemistry)	Pre-Req

**Registration Restrictions N/A**

**Section 2. Review of Course**

**2.1. Was the course first offered as an experimental course (place an "X" in the appropriate box)?**  
 Yes (if yes, provide the course information below)       No

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

**Unique Course**

Prefix & No.	Course Title	Credits
CHEM 326	Organic Chemistry I	4 + 1
CHEM 127	Struct/Funct Organic Molecules	3
CHEM 229	Transformations Organic Molec	3

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

CHEM 326/326L, Organic Chemistry I, offered at all BOR institutions is the closest comparison to CHEM 310 and is variable credit.

CHEM 127/229 offered at SDSU are two organic courses which are part of a four course chemistry sequence but are not accelerated and do not necessarily prepare students for a second semester bioorganic course.

CHEM 107/108/120 are all non-majors Organic and Biochemistry survey courses directed at allied/health sciences majors.

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

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

**No.** Replacement of **one of two sections of CHEM 326 already taught in the fall**

(course prefix, course number, name of course, credits)

\*Attach course deletion form

Effective date of deletion: Click here to enter a date.

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

**3.3. Proposed instructional method by university:** R-Lecture and L-Laboratory

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

**3.5. Term change will be effective (enter catalog year):** Fall 2019

**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: \_\_\_\_\_  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:** UCHEM

**4.2. Proposed [CIP Code](#):** 40.0504 (Organic Chemistry)

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