

NEW COURSE PROPOSAL**Courses must be submitted by November 2, 2009, for priority catalog review.**DATE (*Change if modified and redate file with current date*)

10/27/2009; REV 12.8.09

PROGRAM AREA(S)

CHEMISTRY

1. Course Information. *[Follow accepted catalog format.]***Prefix(es)** (Add additional prefixes if cross-listed) **and Course No. CHEM 491****Title: SPECIAL LABORATORY TOPICS IN CHEMISTRY Units: 1-3**

Prerequisites

Corequisites

X Consent of Instructor Required for Enrollment

Catalog Description (Do not use any symbols): Laboratory study of a selected topic, the title of which is to be specified in advance. Repeatable by topic up to 6 units.**Grading Scheme:**

x A-F Grades

Credit/No Credit

Optional (Student Choice)

Repeatability:

x Repeatable for a maximum of 6 units

Total Completions Allowed 6

Multiple Enrollment in Same Semester

Course Level Information:

x Undergraduate

Post-Baccalaureate/Credential

Graduate

Mode of Instruction/Components (*Hours per Unit are defaulted*).

	Units	Hours per Unit	Benchmark Enrollment	Graded Component	CS & HEGIS # (Filled in by the Dean)
Lecture		1			
Seminar		1			
Laboratory	1-3	3	12	x	
Activity		2			
Field					
Studies					
Indep Study					
Other Blank					

Leave the following hours per week areas blank. The hours per week will be filled out for you.

3 to 9 hours **laboratory** per week

hours blank per week

2. Course Attributes:

General Education Categories: All courses with GE category notations (including deletions) must be submitted to the GE website: <http://summit.csuci.edu/geapproval>. Upon completion, the GE Committee will forward your documents to the Curriculum Committee for further processing.

A (English Language, Communication, Critical Thinking)

A-1 Oral Communication

A-2 English Writing

A-3 Critical Thinking

B (Mathematics, Sciences & Technology)

B-1 Physical Sciences

B-2 Life Sciences – Biology

B-3 Mathematics – Mathematics and Applications

B-4 Computers and Information Technology

C (Fine Arts, Literature, Languages & Cultures)

C-1 Art

C-2 Literature Courses

C-3a Language

C-3b Multicultural

D (Social Perspectives)

E (Human Psychological and Physiological Perspectives)
UDIGE/INTD Interdisciplinary
Meets University Writing Requirement
Meets University Language Requirement

☐ **American Institutions, Title V Section 40404:** ☐ Government ☐ US Constitution ☐ US History
Refer to website, Exec Order 405, for more information: <http://senate.csuci.edu/comm/curriculum/resources.htm>

☐ **Service Learning Course** (Approval from the Center for Community Engagement must be received before you can request this course attribute).

3. Justification and Requirements for the Course. (Make a brief statement to justify the need for the course)

A. Justification:

CHEM 491 is an elective for chemistry. This type of courses covers special and contemporary laboratory techniques and topics in a particular sub-discipline in chemistry that is not offered on a regular basis. This course format also allows chemistry faculty members the opportunity to offer brand-new or experimental laboratory courses that, once successfully established, could be proposed to be included in the catalog as regularly offered courses. Transfer students could also use this course to make up a missing laboratory component for a particular course, offered by other colleges or universities, for which the laboratory is required by our program.

B. Degree Requirement:

☐ Requirement for the Major/Minor
☒ Elective for the Major/Minor
☐ Free Elective

Note: Submit Program Modification if this course changes your program.

4. Learning Objectives. (List in numerical order. You may wish to use the following resource in utilizing measurable verbs: <http://senate.csuci.edu/comm/curriculum/resources.htm>)

Upon completion of the course, the student will be able to:

Students who successfully complete this course will be able to:

- . Communicate knowledge from the laboratory topic in oral and written form.
- . Perform experiments using laboratory techniques appropriate to the course
- . Interpret experimental results

5. Course Content in Outline Form. [Be as brief as possible, but use as much space as necessary]

Variable

Does this course content overlap with a course offered in your academic program? **Yes** ☐ **No** ☒

If YES, what course(s) and provide a justification of the overlap. ☐

Does this course content overlap a course offered in another academic area? **Yes** ☐ **No** ☒

If YES, what course(s) and provide a justification of the overlap. ☐

Overlapping courses require Chairs' signatures.

6. Cross-listed Courses (Please note each prefix in item No. 1)

A. List Cross-listed Courses (Signature of Academic Chair(s) of the other academic area(s) is required).

List each cross-listed prefix for the course: ☐

B. Program responsible for staffing: ☐

7. References. *[Provide 3 - 5 references]*

Variable

8. Tenure Track Faculty Qualified to Teach This Course.

Dr. Simone Aloisio
Dr. Blake Gillespie
Dr. Phil Hampton

9. Requested Effective Date:

First semester offered: Fall 2010

10. New Resources Requested. Yes ☐ No ☒

If YES, list the resources needed.

A. Computer Needs (data processing, audio visual, broadcasting, other equipment, etc.)

☐

B. Library Needs (streaming media, video hosting, databases, exhibit space, etc.)

☐

C. Facility/Space/Transportation Needs

☐

D. Lab Fee Requested (please refer to Dean's Office for additional processing) Yes ☐ No ☐

E. Other

☐

11. Will this new course alter any degree, credential, certificate, or minor in your program? Yes ☒ No ☐

If, YES attach a program update or program modification form for all programs affected.

Priority deadline for New Minors and Programs: **October 5, 2009** of preceding year.

Priority deadline for Course Proposals and Modifications: **November 2, 2009**, of preceding year.

Last day to submit forms to be considered during the current academic year: **April 15th**.

Simone Aloisio

10/27/2009

Proposer of Course (Type in name. Signatures will be collected after Curriculum approval)

Date

Approval Sheet

Program/Course: CHEM 491

If your course has a General Education Component or involves Center affiliation, the Center will also sign off during the approval process.

Multiple Chair fields are available for cross-listed courses.

Program Chair		
	Signature	Date
Program Chair		
	Signature	Date
Program Chair		
	Signature	Date
General Education Chair		
	Signature	Date
Center for International Affairs Director		
	Signature	Date
Center for Integrative Studies Director		
	Signature	Date
Center for Multicultural Engagement Director		
	Signature	Date
Center for Civic Engagement Director		
	Signature	Date
Curriculum Chair		
	Signature	Date
Dean of Faculty		
	Signature	Date