CHEM 691

California State University San Marcos • NEW COURSE • FORM C

ORIGINATOR'S SECTION:

1. College:

☐ **CHABSS** ☐ **CoBA**
☐ **CoEHHS** ☒ **CSM**

Desired Term and Year of Implementation (e.g., Fall 2008):

Fall 2017

2.Course is to be considered for G.E.? (If yes, also fill out appropriate GE form*) ☐ Yes ☒ No

3. Course will be a variable-topics (generic) course? ☐ Yes ☒ No
("generic" is a placeholder for topics)

4. Course abbreviation and Number:* CHEM 691

5. Title: ***(Titles using jargon, slang, copyrighted names, trade names, or any non-essential punctuation may not be used.)***
Graduate Student Colloquium in Chemistry & Biochemistry

6. Abbreviated Title for PeopleSoft:
(no more than 25 characters, including spaces)
Grad Colloquium in Chem

7. Number of Units: 1

8. Catalog Description: ***(Not to exceed 80 words; language should conform to catalog copy. Please consult the catalog for models of style and format; include all necessary information regarding consent for enrollment, pre- and/or corequisites, repeated enrollment, crosslisting, as detailed below. Such information does not count toward the 80-word limit.)***

Provides students with opportunities to give a seminar each semester on a selected journal topic or their own research as well as an opportunity to engage with invited speakers in various chemical fields. Prerequisite: Must have passed qualifying exam. *Credit/No credit grading only. May be repeated, but no more than two (2) units of credit may be applied to the major. Enrollment restricted to students who have obtained consent of the instructor.*

9. Why is this course being proposed?

This course is being proposed as part of the new Masters in Chemistry program. CHEM 691 will be a required course for all students after passing the qualifi~~er~~ying exam.

10. Mode of Instruction*
For definitions of the Course Classification Numbers:
http://www.csusm.edu/academic_programs/curriculumscheduling/catalogcurricula/DOCUMENTS/Curricular_Forms_Tab/Instructional%20Mode%20Conventions.pdf

Type of Instruction	Number of Credit Units	Instructional Mode (Course Classification Number)
Lecture	1	C-05
Activity		
Lab		

11. Grading Method:*
☐ Normal (N) *(Allows Letter Grade +/-, and Credit/No Credit)*
☐ Normal Plus Report-in-Progress (NP) *(Allows Letter Grade +/-, Credit/No Credit, and Report-in-Progress)*
☒ Credit/No Credit Only (C)
☐ Credit/No Credit or Report-in-Progress Only (CP)

12. If the (NP) or (CP) grading system was selected, please explain the need for this grade option.

13. Course Requires Consent for Enrollment? ☐ Yes ☒ No

☐ Faculty ☐ Credential Analyst ☐ Dean ☐ Program/Department - Director/Chair

14. Course Can be Taken for Credit More than Once? ☒ Yes ☐ No
If yes, how many times? 2 (including first offering)

15. Is Course Crosslisted: ☐ Yes ☒ No

If yes, indicate which course and check "yes" in item #22 below.

16. Prerequisite(s): ☒ Yes ☐ No Must have passed qualifying exam.

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* If Originator is uncertain of this entry, please consult with Program/Department Director/Chair.

18. Documentation attached:
☐ Syllabus ☒ Detailed Course Outline

19. If this course has been offered as a topic, please enter topic abbreviation, number, and suffix:*

20. How often will this course be offered once established?* To be offered every semester

PROGRAM DIRECTOR/CHAIR - COLLEGE CURRICULUM COMMITTEE SECTION:
(Mandatory information – all items in this section must be completed.)

21. Does this course fulfill a requirement for any major (i.e., core course or elective for a major, majors in other departments, minors in other departments)? ☒ Yes ☐ No

If yes, please specify:
Required course in the Masters of Science in Chemistry.

22. Does this course impact other discipline(s)? ***(If there is any uncertainty as to whether a particular discipline is affected, check "yes" and obtain signature.)*** ☐ Yes ☒ No

If yes, obtain signature(s). Any objections should be stated in writing and attached to this form.

Discipline _____ Signature _____ Date _____ Support _____ Oppose

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SIGNATURES : (COLLEGE LEVEL) :

J. Trischman 8/4/2016
1. Originator (please print or type name) Date

8/9/16
2. Program Director/Chair Date

12/14/16
3. College Curriculum Committee Date

12/14/16
4. College Dean (or Designee) Date

(UNIVERSITY LEVEL)

5. UCC Committee Chair Date

6. Vice President for Academic Affairs (or Designee) Date

7. President (or Designee) Date

Office of Academic Programs Banner: AS Catalog Revised 3/28/2007

* If Originator is uncertain of this entry, please consult with Program/Department Director/Chair.

RP ___ Tracker ✓

Chemistry 691–Graduate Colloquium in Chemistry & Biochemistry
PROSPECTIVE COURSE OUTLINE

Course Description: The second-year graduate student colloquium provides students with opportunities to give a seminar each semester on a selected journal topic or their own research as well as an opportunity to engage with invited speakers in various chemical fields. Student must have advanced to candidacy by passing the qualifier to enroll. Credit/No credit grading only. *May be repeated once for credit.*

Student Learning Outcomes:

Students will:

- Observe techniques of presentation of chemical research.
- Advance skills needed to effectively present their own library or laboratory research
- Mentor first-year graduate students by presenting at joint sessions of Chem 690 and 691.

Textbooks: No textbook will be used.

Course Activities: Students will attend seminars and poster sessions, critique presentations of fellow students, participate in discussions, and present their own literature review or original laboratory research.

Anticipated breakdown – 10-11 student seminar sessions and 3-4 external or faculty seminars. Students must attend at least 12 sessions to pass.

Grading Scheme:

	# of Items	Pts. Per Item	Total Points
Attend presentations	14	5	70
Critiques	10	5	50
Deliver Presentation	1	50	50
			170

Anticipated schedule: (subject to change – Spring will feature more seminars and different discussion topics than Fall)

Lectures	Topics
Week 1	Preparation for 1st-year student introductory poster session
Week 2	Poster presentations of research labs accepting students – meeting first-year grad students

Week 3	Student seminar
Week 4	External seminar speaker - Academic - Chemistry
Week 5	Student seminar
Week 6	Student seminar
Week 7	Student seminar
Week 8	External seminar speaker – Academic - Biochemistry
Week 9	Mid-term Dinner for all Grad students
Week 10	Student seminar
Week 11	External seminar speaker - Industrial
Week 12	Student seminar
Week 13	Student seminar
Week 14	Student seminar
Week 15	Student seminar