California State University San Marcos • NEW COURSE • FORM C

CHEM 690

ORIGINATOR'S SECTION:

1. College:	Desired Term and Year of Implementation (e.g., Fall 2008):	
☐ CHABSS ☐ CoBA ☐ CoEHHS ☒ CSM	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 690

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

6. Abbreviated Title for PeopleSoft:
(no more than 25 characters, including spaces)
Grad Seminar 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 a variety of conceptual tools to help them be successful in integrating the various demands and many activities that comprise their graduate experience, e.g. studying, learning, mentoring and being mentored, choosing a research advisor, starting their research work, critically reading the scientific literature, and presenting scientific research. *Credit/No credit grading only. May be repeated, but no more than four (4) 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 690 will be a required course for all first year students.

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

17. Corequisite(s): ☐ Yes ☒ No

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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 _____ _____ _____Support _____Oppose
Signature Date

Discipline _____ _____ _____Support _____Oppose
Signature Date

SIGNATURES : (COLLEGE LEVEL) :

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

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

3. College Curriculum Committee 12/14/16 Date

4. College Dean (or Designee) 12/14/16 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 PS Banner: _____ Catalog _____ Revised 3/28/2007

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

RP ___ Tracker ✓

Chemistry 690–Graduate Seminar in Chemistry & Biochemistry
PROSPECTIVE COURSE OUTLINE

Course Description: The first-year graduate student seminar provides students with a variety of conceptual tools to help them be successful in integrating the various demands and many activities that comprise their graduate experience, e.g. studying, learning, mentoring and being mentored, choosing a research advisor, starting their research work, critically reading the scientific literature, and presenting scientific research. Advanced graduate students, faculty, and staff will collaborate to establish a range of academic and professional development activities that support, encourage, and nurture the first-year graduate students enrolled in the seminar. Credit/No credit grading only. *May be repeated once for credit.*

Student Learning Outcomes:

Students will:

- Observe techniques of presentation of chemical research.
- Develop skills needed to effectively present their own library or laboratory research
- Explore the research options open to graduate students
- Be aware of the expectations placed on graduate students throughout their years in the program
- Establish review of the literature of their chosen field as a common practice
- Learn about available support options
- Feel a sense of community as they begin their journey through graduate school

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 – 8 seminar sessions, allowed to miss one; presentation of their own work, participation in 5-6 discussions about the graduate program and the nature of chemical research

Grading Scheme:

	# of Items	Pts. Per Item	Total Points
Attend presentations	7	5	35
Critiques	10	5	50
Discussions	6	10	60
Deliver Presentation	1	50	50
			195

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

Lectures	Topics
Week 1	Welcome to the graduate program, faculty introductions
Week 2	Poster presentations of research labs accepting students – meeting advanced grad students
Week 3	Completing interest forms for lab choice, strategies to be a successful graduate student - classes
Week 4	External seminar speaker - Academic - Chemistry
Week 5	Chemical information literacy – resources available at CSUSM, UCSD, and online
Week 6	Communicating science to different audiences
Week 7	Scientific Ethics Discussion
Week 8	External seminar speaker – Academic - Biochemistry
Week 9	Mid-term Dinner for all Grad students
Week 10	Seminars
Week 11	External seminar speaker - Industrial
Week 12	Seminars
Week 13	Seminars
Week 14	Seminars
Week 15	Seminars