CHEM 699

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 2018

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 699

5. Title: ***(Titles using jargon, slang, copyrighted names, trade names, or any non-essential punctuation may not be used.)***
Thesis Research Extension

6. Abbreviated Title for PeopleSoft:
(no more than 25 characters, including spaces)
Thesis Research Ext

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.)***

Registration is limited to students who have received a grade of Satisfactory Progress (SP) in CHEM 698 and who expect to use the facilities and resources of the University to work on or complete the thesis. *May be repeated. Graded Credit/No Credit. Enrollment Requirement: prior registration in CHEM 698 with an assigned grade of Satisfactory Progress (SP). Units may not be applied to the required units for the Master's degree. 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.

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	1-6	S-25
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.
Research is expected to be carried out across multiple semesters, resulting in thesis and presentation. Grade will be assigned at that point.

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? Up to 12 units

15. Is Course Crosslisted: ☐ Yes ☒ No

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

16. Prerequisite(s): ☒ Yes ☐ No CHEM 698 (max of 12 units)

17. Corequisite(s): ☐ Yes ☒ No

RECEIVED
MAR 17 2017
BY:

* 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 as needed

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:
Elective 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 12/7/2016
1. Originator (please print or type name) Date

12/15/16
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 PS Banner: _____ Catalog _____ Revised 3/28/2007

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

AP ___ Tracker ✓

Chemistry 699– **Continuation of Thesis Research**
PROSPECTIVE COURSE OUTLINE

Course Description: Designed to allow students to remain matriculated as they complete their thesis writing or finish lab work found to be needed after exhausting all CHEM 698 units. Students should be actively writing the thesis while taking CHEM 699. Prerequisite: 12 units of CHEM 698

Student Learning Outcomes:

Students will:

- Revise experiments performed in Chem 698 to answer the research question(s) at hand
- Clearly present and discuss research conclusions as well as the knowledge and arguments that form the basis for these findings both orally and in writing

Textbooks: No textbook will be used.

Course Activities: Students will carry out original research under the close supervision of a thesis advisor and additional guidance from a thesis committee.

Contact Hours with Advisor (minimum): 1/week
Literature Reading and Analysis (minimum): 1 hr/week/unit
Laboratory/Field/Classroom work (minimum): 3 hr/week/unit

Grading Scheme: Grades of RP will be given for the semesters prior to the qualifier. Evaluation of the work for the entire sequence of Chem 699 courses will be evaluated by the research mentor and the thesis committee, and a grade will be assigned based on a combination to of the oral and written presentations of the work (50% mentor, 50% committee) and the effort in the laboratory or K-12 setting (100% mentor). Specific grading guidelines for all project and thesis work will be developed by the department.

The research mentor may petition for a revision to the grade with the department if he/she feels an unwarranted grade has been awarded.