

ORIGINATOR'S SECTION:

1. College: <input type="checkbox"/> CHABSS <input type="checkbox"/> CoBA <input type="checkbox"/> CoEHHS <input checked="" type="checkbox"/> 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*) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No													
3. Course will be a variable-topics (generic) course? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ("generic" is a placeholder for topics)													
4. Course abbreviation and Number:* CHEM 680													
5. Title: (Titles using jargon, slang, copyrighted names, trade names, or any non-essential punctuation may not be used.) <u>Teaching Methods in Chemistry & Biochemistry</u>													
6. Abbreviated Title for PeopleSoft: (no more than 25 characters, including spaces) Teaching Methods 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 <u>not</u> count toward the 80-word limit.) Introduces graduate students to the procedural information and practical skills needed to be an effective teaching assistant. May be repeated once for credit.													
9. Why is this course being proposed? This course is being proposed as part of the new Masters in Chemistry program. CHEM 680 will be a required course for all teaching assistants.													
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													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Type of Instruction</th> <th style="width: 33%;">Number of Credit Units</th> <th style="width: 33%;">Instructional Mode (Course Classification Number)</th> </tr> </thead> <tbody> <tr> <td>Lecture</td> <td>1</td> <td>C-02</td> </tr> <tr> <td>Activity</td> <td></td> <td></td> </tr> <tr> <td>Lab</td> <td></td> <td></td> </tr> </tbody> </table>		Type of Instruction	Number of Credit Units	Instructional Mode (Course Classification Number)	Lecture	1	C-02	Activity			Lab		
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11. Grading Method:* <input type="checkbox"/> Normal (N) (Allows Letter Grade +/-, and Credit/No Credit) <input type="checkbox"/> Normal Plus Report-in-Progress (NP) (Allows Letter Grade +/-, Credit/No Credit, and Report-in-Progress) <input checked="" type="checkbox"/> Credit/No Credit Only (C) <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Faculty <input type="checkbox"/> Credential Analyst <input type="checkbox"/> Dean <input type="checkbox"/> Program/Department - Director/Chair													
14. Course Can be Taken for Credit More than Once? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, how many times? 2 (including first offering)													
15. Is Course Crosslisted: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, indicate which course _____ and check "yes" in item #22 below.													
16. Prerequisite(s): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No													
17. Corequisite(s): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No													
18. Documentation attached: <input type="checkbox"/> Syllabus <input checked="" type="checkbox"/> Detailed Course Outline													

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



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:

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 _____ Signature _____ Date _____ Support _____ Oppose _____

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SIGNATURES : (COLLEGE LEVEL) :

J. Trischman 8/4/2016
 1. Originator (please print or type name) Date
 2. Program Director/Chair 8/9/16
 3. College Curriculum Committee 12/14/16
 4. College Dean (or Designee) 12/14/16

(UNIVERSITY LEVEL)

5. UCC Committee Chair Date
 6. Vice President for Academic Affairs (or Designee) Date
 7. President (or Designee) Date

Chemistry 680–Teaching Methods in Chemistry & Biochemistry

PROSPECTIVE COURSE OUTLINE

Dr. Paul Jasien

jasien@csusm.edu

Science Hall 2-333

760-750-4135

Course Description: Introduces graduate students to the procedural information and practical skills needed to be an effective teaching assistant. Students build the knowledge and practice the skills necessary for effective classroom instruction and management in higher education including: educational psychology, lesson planning, and delivery techniques. *May be repeated once for credit.*

Course will be taught in a 2-hour session for the first 8 weeks of each semester.

Student Learning Outcomes:

Students will:

- Understand the role and value of the TA in the undergraduate academic experience
- Be aware of the expectations and needs of a diverse student population
- Be introduced to the support services, instructional resources and technology available at CSUSM
- Learn about and practice teaching tasks like
 - Preparing for a class
 - Creating a lesson plan
 - Introducing yourself to a class
 - Creating an interactive learning environment
 - Presenting material in different ways to accommodate different backgrounds and styles of learning
 - Fielding student questions
 - Giving feedback
 - Grading
 - Evaluating good teaching practices
 - Managing challenging classroom and office hour situations

Textbooks: The reading will be updated each semester to review recent articles in the Journal of Chemical Education. No textbook will be used.

Course Activities: Students will prepare and present every class period.

Written lesson plans will be used to fulfill the All-University Writing Requirement. Two graded classroom observations will occur in week 3-4 and week 7-8 of the semester.

A final exam will be given in week 8.

Grading Scheme:

	# of Items	Pts. Per Item	Total Points
Presentations	7	10	70
Observations	2	30	60
Final Exam	1	50	50
			180

Anticipated schedule: (subject to change)

Lectures	Topics
Week 1	How to be a good TA presentation
Week 2	Preparing for a class / writing a lesson plan
Week 3	Creating an interactive learning environment
Week 4	Reaching the students – Learning styles
Week 5	Reaching the students – Cultural intelligence
Week 6	Feedback, feedback, feedback
Week 7	Grading and assessment
Week 8	Managing a challenging classroom