CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

NEW COURSE PROPOSAL

PROGRAM: MULTIPLE PROGRAMS/ CHEMISTRY

1. **Catalog Description of the Course.** *[Include the course prefix, number, full title, and units. Provide a course narrative including prerequisites and corequisites. If any of the following apply, include in the description: Repeatability (May be repeated to a maximum of ___ units); time distribution (Lecture ___ hours, laboratory ___ hours); non-traditional grading system (Graded CR/NC, ABC/NC). Follow accepted catalog format.]*

   CHEM 499. CHEMISTRY CAPSTONE COLLOQUIUM (1)
   Prerequisite: CHEM 305, CHEM 371 and CHEM 492 or 494 (or concurrent enrollment)
   Oral and written presentation of work completed or work-in progress projects of CHEM 492 or 494 courses.
   Graded credit/no-credit.

2. **Mode of Instruction.**

	Units	Hours per Unit	Benchmark Enrollment
Lecture			
Seminar	1	1	24
Laboratory			
Activity			

3. **Justification and Learning Objectives for the Course.** (Indicate whether required or elective, and whether it meets University Writing, and/or Language requirements) *[Use as much space as necessary]*

   This course is typically taken by students in the Chemistry major in their last semester of study. This course will be an upper-division requirement for students majoring in chemistry.

   Students who successfully complete this course will be able to:
   - Evaluate a chemical problem and determine how molecular shape, electronic structure, thermodynamics, kinetics, and intermolecular interactions are involved in the behavior of the system.
   - Present and discuss results of scientific work in a professional, well-organized and substantive way.
   - Communicate chemical information to both a colloquial and specialized audience.
   - Demonstrate the ability to write to the scientific audience using the accepted conventions of the day.
   - Evaluate and accurately reference background information from previous studies in the literature.
   - Discuss and critique other students' scientific work in a constructive way.
   - Interpret, discuss, and evaluate a primary literature article.

4. **Is this a General Education Course** **YES** **(NO)**
   If Yes, indicate GE category:

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

Organizing and Writing a Paper
Outlining and organizing results
Structure and conventions
Poster Presentation
Quality Figures
Presenting a Poster
Peer and Faculty Review
Peer Review of papers
Rewriting of papers
Presentation
Oral Presentation of Work
Final Paper
Finishing touches
Final review
General Audience Presentation

6. References. *[Provide 3 - 5 references on which this course is based and/or support it.]*

Dodd, J.S. (ed.) *The ACS Style Guide*, American Chemical Society, 2nd Ed., 1997
Huth, E.J. *Scientific Style and Format*, Cambridge University Press, 6th Ed., 1994
Beall, H.; and Trimber, J. *A Short Guide to Writing about Chemistry*, Longman, 2nd Ed., 2000

7. List Faculty Qualified to Teach This Course.

Dr. Simone Aloisio, Dr. Phil Hampton

8. Frequency.
a. Projected semesters to be offered: Fall _____ Spring __X___ Summer _____

9. New Resources Required.
None.

10. Consultation.
Attach consultation sheet from all program areas, Library, and others (if necessary)

11. If this new course will alter any degree, credential, certificate, or minor in your program, attach a program modification.

_____Phil Hampton and Simone Aloisio____10/31/03_____
Proposer of Course Date