Chemistry 500, Fall 2007
Presentations in the Chemical and Biochemical Sciences
Meeting time: Fridays 2-4 pm

Instructor: G. Santillan, PS 610; x2313; gsantil@calstatela.edu
Office Hours: MWF 10-11 am ; TR 12-1 pm
Textbook: "Teaching Matters" Pica, Barnes and Finger, Newbury House Publishers, 1990 - To be provided in class. Other books/readings may be provided over the quarter.

Week/Date	Activity	Readings/handouts Chapters in Pica, et. al.
1/Sept 21	Overview and expectations	2,3
2/Sept 28	**Presentation 0**: Recorded in-class reading Assignment of Presentations 1 and 2	2,3,5,6/short topic evaluation forms, active learning techs
3/Oct 5	**Presentation 1**: Problem Solving Discussion of presentations, reading assignments	7,8,9/ short topic for Presentation 2
4/Oct 12	**Presentation 2**: Lecturing- Gen Chem Theory Presentation Lab Class Observation Assignment	classroom observation forms
5/Oct 19	Discussion of presentations, reading assignments;Discussion of Lab Observations	Short topic for Presentation3
6/Oct 26	**Presentation 3**: Lecturing- Lab Methods Discussion of presentations	(start proposing Presentation 5)
7/Nov 2	**Discussion** Discussion:Ethics in Instruction Evaluation: Quiz Writing and Grading Assignment of General Chem Pre-lab Topics	10 / Topic for Presentation 4
8/Nov 9	**Presentation 4**: General Pre-lab Lecture Lecture (outline and quiz due)	4,10/ Topic for Presentation 5
9/Nov 16	**Presentation 5**: Choice of approved topics **Formal Research Style** N	Topic for Final Presentation
Nov. 23 is a holiday		
10/Nov 30	**Presentation 5** Continued discussion from Week 7 Assignment of final presentation topics	2-10

The Final Exam is Presentation 5
Note: All items labeled "Presentation" will be videotaped for your own perusal.

For both the general and quantitative videotaped presentations, you must submit an outline of the lecture, a quiz that you would give pertaining to the presentation and a grading key that you would use to grade the quiz and assign partial credit. These written assignments will be graded.

Grading is based on several factors:
a) Your **attendance** and **participation** in discussions. You are expected to attend all meetings and to ask questions and contribute answers during discussions.
b) Your written **self-evaluations**. These are graded on objectivity. Students are required to review their presentation by watching the videotape of the presentation. Self-evaluations are due on the week following one's presentation.
c) **Evaluations** by the instructor. These carry the most weight among evaluators.
d) Confidential **evaluations** by your peers during your presentations in the class. All other students are to evaluate and objectively criticize or commend student's styles, etc. Criteria will be supplied.
e) Your consistent attendance and participation at the **Department Seminars**. (see below).
f) **Your evaluations** of your peers. Your ability to critically, but fairly, evaluate your peers is also factored into the final grade. Being overly generous may adversely affect your own grade..
g) A report based on your own observation of a **faculty lecture** class, during the quarter will also be required. This should be prearranged outside of class hours. Avoid attending the same classes as your classmates. Do not attend classes by your Ch 500 prof, your current professors in other classes or those classes taught by your faculty research supervisor.
h) Your final grade will also be greatly influenced by the **improvement** that is observed in your ability to clearly present well-organized material and to respond to questions is most important. This will be particularly important for those who may start off with difficulties in doing presentations.

The final exam will be based mainly on presentation #5 which should also include a written formal paper.

This class will be graded on the A-F scale, including +/-.

Tuesday Noon Departmental Seminars
As graduate students you are expected to attend all Tuesday seminars. Exposure to current topics of interest, to visiting chemistry and biochemistry faculty and to various presentation styles is of importance in your training as a professional.

Grading will be distributed as follows:

Class activity	Maximum Points	Brief Description of grading method
I. Presentations		
0 (in class reading)	25	Evaluation by: Prof, self & peer
1 (Problem-solving)	50	Evaluation by: Prof, self & peer
2 (Gen Chem theory)	50	Evaluation by: Prof, self & peer
3 (Lab methods)	50	Evaluation by: Prof, self & peer
4 (Gen Chem pre-lab lecture)	50	Evaluation by: Prof, self & peer
5 (Formal Research Style)	100	Evaluation by: Prof, self & peer + formal report
II Other activities		
Lecture class observation Report	25	Pre-arranged in-class visit. Report required
Department Seminar	25	Attendance and participation in Q&A
Class participation	25	Attendance, promptness, participation in Q&A
Maximum Total Points	**400**	

Grades will be distributed according to the % of a student's points according to the following:

85% and above will be an "A"

75% and above will be a "B"

60% and above will be a "C"

50% and above will be a "D"