

CHEM-342 INTRODUCTION TO BIOCHEMISTRY
FINAL COURSE EVALUATION
Friday May 16, 2003

Instructions: Please answer the following questions honestly and thoughtfully. Return the completed evaluation to 116 Brown Laboratory **no later than 4:00 PM Monday, May 19.** Make sure you check-off your name on the course roster there. For Question 41 of this evaluation, you will need to reread the course syllabus.

1. Consider the following items and rate them with respect to how important they are for success in CHEM-342.

Category	ex.imp	v.imp	res.imp	sl.imp	not.imp	N	Avg	S.D.	Q#2
a. Personal Initiative	21	11	1	0	0	33	1.394	0.547	12
b. Library Research Skills	14	12	6	1	0	33	1.818	0.833	15
c. Taking Notes in Class	6	7	12	6	2	33	2.727	1.135	0
d. Writing Skills	4	18	10	3	0	33	2.364	0.810	6
e. Collab. with Classmates	19	10	3	0	0	32	1.500	0.661	21
f. Oral Communication Skills	11	13	8	1	0	33	1.970	0.834	12
g. Prior Knowledge	7	10	7	9	0	33	2.545	1.103	9
h. Memorization	0	4	7	15	7	33	3.758	0.922	0
i. Learning New Info.	23	8	2	0	0	33	1.364	0.594	7
j. Problem-Solving Skills	21	10	2	0	0	33	1.424	0.605	18
k. Conceptualization	19	10	4	0	0	33	1.545	0.700	12
l. Attendance	23	6	4	0	0	33	1.424	0.698	11

2. Reconsider the items *a* through *l* in relation to other science courses you have had. Circle those items which, in your experience, are more important in CHEM-342 than in those other courses. (Circle as many as are appropriate.)
 [Results tabulated in last column in the above table.]

3. On average, I spent ___ hours a week on work related to CHEM-342.

5.67 ± 2.06 Hours with a range from 1.5 to 10 hours per week.

For statements 4 through 37, put a check in the box that best reflects how strongly you agree or disagree with each.

	Strongly. Agree	Agree	No Opinion	Disagree	Strongly Disagree	N	Avg	S.D.
4 Good idea form new groups after midterm?	3	6	7	12	5	33	3.303	1.193
5 Demonstrations helped my understanding of articles	6	19	4	3	0	32	2.125	0.820
6 Peer Eval worthwhile activity	2	15	12	1	3	33	2.636	0.979
7 My group have done fine without tutor	0	0	3	20	10	33	4.212	0.591
8 Instead of Group work, Dr. White should lecture more	6	8	6	10	3	33	2.879	1.273
9 I think C342 exams should focus more on content	5	12	8	8	0	33	2.576	1.016
10 My assignments were graded & returned promptly	27	6	0	0	0	33	1.182	0.386
11 Considerable amt of C342 material was review for me	5	7	3	17	1	33	3.061	1.205
12 It was bad idea to change tutors after Spring Break	4	3	2	15	8	32	3.625	1.293
13 Concept map not group effort	2	4	1	16	10	33	3.848	1.158
14 Grades in C342 should be solely on indiv performance	2	4	11	11	5	33	3.394	1.071
15 Talked freq about class topics with others outside class	1	14	11	5	2	33	2.788	0.946
16 I feel I can apply general principles here to other courses	7	19	5	0	2	33	2.121	0.946
17 I found the hemoglobinopathy assign worthwhile	9	13	8	2	1	33	2.182	0.999
18 My ability to find, read, & analyze info improved	10	16	4	2	1	33	2.030	0.969
19 I feel confident I can read & understand research articles	6	22	3	2	0	33	2.030	0.717
20 I am comfortable working in groups	13	15	1	3	1	33	1.909	1.026
21 I am comfortable sharing information	12	19	0	1	1	33	1.788	0.844
22 I am comfortable asking help from others	8	17	6	1	1	33	2.091	0.900
23 I am comfortable relying on information from others	4	20	6	3	0	33	2.242	0.780
24 Given opportunity, like another course designed like this	5	12	5	6	5	33	2.818	1.313
25 Disc. of mystery molecules made connections other chem	6	15	8	3	1	33	2.333	0.974
26 I found the course web-site a useful resource	15	13	3	1	1	33	1.788	0.946
27 I found the quotations on board thought provoking	7	20	4	2	0	33	2.030	0.758
28 I enjoyed working in jigsaw groups	6	16	4	5	2	33	2.424	1.129

Statement	1. Excellent	2	3	4	5 Very Poor	N	Ave	SD
29 Rate this class, overall	13	13	5	1	1	33	1.909	0.965
30 Rate this instructor, overall	17	15	1	0	0	33	1.515	0.557

Rate each of the articles you studied with respect to its overall contribution to your learning and the goals of the course.

	ex.imp	v.imp	res.imp	sl.imp	not.imp	N	Ave	S.D.
31 Stokes (1864)	10	13	9	1	0	33	2.030	0.834
32 Zinoffsky (1888)	7	8	13	5	0	33	2.485	0.988
33a Conant (1923)/Pauling & Coryell (1938)	2	13	9	4	1	29	2.621	0.925
33b Svedberg & Fahraeus (1926)/Adair (1925)	3	8	14	6	0	31	2.742	0.879
33c Diggs et al (1933)/ Herrick (1910)	3	11	9	4	2	29	2.690	1.054
33d Bohr et al (1904)/ Peters (1912)/ Douglas et al (1912)	5	14	8	1	1	29	2.276	0.908
34 Pauling et al (1949)	21	11	1	0	0	33	1.394	0.547
35 Ingram (1958/1959)	15	17	1	0	0	33	1.576	0.552
36 Allison (1954)	10	16	6	1	0	33	1.939	0.776
37 Shemin and Rittenberg (1946)	4	11	11	6	1	33	2.667	1.005

Narrative Responses.

38. In an informative sentence or two, describe or characterize CHEM-342 to someone who might consider taking the course, e.g What is the essence of this course?

- A. To teach yourself how to read, review articles, so that you may delve into their details.
- B. CHEM-342 is about working in a group with others to facilitate understanding and learning of all involved. By recognizing what you don't know, you can determine what you must learn to understand it and how others can help you gain that knowledge.
- C. A historical based course that emphasizes problem-solving over content; can be tedious at times (its at 8:00 AM!), but overall useful.
- D. CHEM-342 is a class that teaches you how to think like a biochemist. It helps you to realize how problems are resolved and how to go about resolving them.
- E. CHEM-342 is a group learning course where much emphasis is given to information that is not learned yet but is assumed you already know and have full understanding of. It deals basically with the structure, function, and mutations of hemoglobin, particularly the mutation leading to sickle cell anemia.
- F. This course takes every skill you ever acquired and meshes them together with some biochemical principles. Just because you have to take this course, you want to take it and do well.
- G. The essence is that you have to be able to work with your group, & be prepared for every class, ready to answer the questions that you were assigned in your group. When any one person doesn't do his/her part, the whole group gets left behind.
- H. C-342 emphasizes recognizing personal questions & learning issues relevant to a particular topic/article & resolving these issues from further researching the topics.
- I. This course is the epitome of conceptualization, not memorization.
- J. CHEM 342 will help your experience to learn more information grow by 10 fold. There is plenty of interesting topics and researching the answers exposes you to more things to learn about.
- K. Through articles of hemoglobin, the fundamental aspects of biochemistry are introduced.
- L. A group that works together, succeeds together.
- M. This class is used to introduce founding concepts in biochemistry as well as provoke stronger ways of thinking and understanding
- N. This course tests your social skills through group work, your academic skills through test taking, your writing skills through papers, and your discipline entirely.
- O. Make sure you read the articles thoroughly before coming to class. It is very important to know and research additional information. The essence of the course is understanding and learning to analyze articles.