

CHEM-342 INTRODUCTION TO BIOCHEMISTRY
FINAL COURSE EVALUATION
Friday May 14, 2004

Instructions: Please answer the following questions honestly and thoughtfully. Return the completed evaluation to 116 Brown Laboratory **no later than 4:00 PM Tuesday, May 18.** Make sure you check-off your name on the course roster there. For Question 45 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	18	6	3	0	0	27	1.444	0.685	14
b. Library Research Skills	13	14	1	0	0	28	1.571	0.562	19
c. Taking Notes in Class	2	10	12	4	0	28	2.643	0.811	2
d. Writing Skills	2	15	10	1	0	28	2.357	0.666	7
e. Collab. with Classmates	16	12	0	0	0	28	1.429	0.495	21
f. Oral Communication Skills	12	13	3	0	0	28	1.679	0.658	21
g. Prior Knowledge	3	12	12	1	0	28	2.393	0.724	4
h. Memorization	0	2	5	17	4	28	3.821	0.758	1
i. Learning New Info.	15	11	2	0	0	28	1.536	0.626	7
j. Problem-Solving Skills	15	12	1	0	0	28	1.500	0.567	13
k. Conceptualization	16	11	1	0	0	28	1.464	0.566	15
l. Attendance	19	7	2	0	0	28	1.393	0.618	14

- 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.**

7.73 ± 3.00 Hours with a range from 2 to 15 hours per week.

For statements 4 through 41, 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	3	4	10	8	28	3.607	1.291
5 Demonstrations helped my understanding of articles	5	20	2	1	0	28	1.964	0.626
6 Peer Eval worthwhile activity	3	15	7	3	0	28	2.357	0.811
7 My group have done fine without tutor	0	2	1	17	8	28	4.107	0.772
8 Instead of Group work, Dr. White should lecture more	6	5	9	6	1	27	2.667	1.155
9 I think C342 exams should focus more on content	1	6	11	9	0	27	3.037	0.838
10 My assignments were graded & returned promptly	21	7	0	0	0	28	1.250	0.433
11 Considerable amt of C342 material was review for me	3	13	2	9	1	28	2.714	1.129
12 It was bad idea to change tutors after Spring Break	1	2	4	13	7	27	3.852	1.008
13 Concept map not group effort	2	7	4	13	2	28	3.214	1.113
14 Grades in C342 should be solely on indiv performance	1	4	8	13	1	27	3.333	0.903
15 Talked freq about class topics with others outside class	1	11	0	11	4	27	3.222	1.227
16 I feel I can apply general principles here to other courses	9	14	4	1	0	28	1.893	0.772
17 I found the hemoglobinopathy assign worthwhile	8	14	3	3	0	28	2.036	0.906
18 My ability to find, read, & analyze info improved	13	13	2	0	0	28	1.607	0.618
19 I feel confident I can read & understand research articles	8	19	1	0	0	28	1.750	0.509
20 I am comfortable working in groups	14	11	2	1	0	28	1.643	0.766
21 I am comfortable sharing information	15	11	2	0	0	28	1.536	0.626
22 I am comfortable asking help from others	13	13	2	0	0	28	1.607	0.618
23 I am comfortable relying on information from others	4	15	8	1	0	28	2.214	0.725
24 Given opportunity, like another course designed like this	3	10	11	3	1	28	2.607	0.939
25 Disc. of mystery molecules made connections other chem	6	12	4	5	1	28	2.393	1.113
26 I found the course web-site a useful resource	13	13	1	0	1	28	1.679	0.847
27 I found the quotations on board thought provoking	8	9	7	4	0	28	2.250	1.022
28 I enjoyed working in jigsaw groups	12	8	4	4	0	28	2.000	1.069
29 Wireless laptop computers are of little use in this course	2	4	10	9	3	28	3.250	1.056
30 My group made use of the classroom library	2	22	1	2	1	28	2.214	0.818
31 I found the visitors who observed the class distracting	0	3	6	12	7	28	3.821	0.928
32 Having Dr. Lois Dow talk with the class about her experiences as a hematologist was worth while.	10	13	4	0	1	28	1.893	0.900

Statement	1. Excellent	2	3	4	5 Very Poor	N	Ave	SD
33 Rate this class, overall	6	14	8	0	0	28	2.071	0.703
34 Rate this instructor, overall	12	12	3	1	0	28	1.750	0.785

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.
35 Stokes (1864)	12	10	4	2	0	28	1.857	0.915
36 Zinoffsky (1886)	7	15	5	1	0	28	2.000	0.758
37a Conant (1923)/Pauling & Coryell (1936)	1	11	12	4	0	28	2.679	0.758
37b Svedberg & Fahraeus (1926)/Adair (1925)	1	8	16	3	0	28	2.750	0.688
37c Diggs et al (1933)/ Herrick (1910)	1	12	12	3	0	28	2.607	0.724
37d Bohr et al (1904)/ Peters (1912)/ Douglas et al (1912)	3	11	11	2	0	27	2.444	0.786
38 Shemin and Rittenberg (1946)	0	13	6	7	1	27	2.852	0.931
39 Pauling et al (1949)	10	14	4	0	0	28	1.786	0.674
40 Ingram (1958/1959)	11	15	2	0	0	28	1.679	0.601
41 Allison (1954)	7	13	4	4	0	28	2.179	0.966

Narrative Responses. [Comments transcribed directly from the evaluation forms in the order received.]

42. 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. Learning how to access, use & question scientific information encourages asking questions and curiosity. A worthwhile experience in working with groups, and in trying to get your thoughts or knowledge across to other people in a non-threatening environment.
- B. Attendance, group participation & early preparation is (sic) important to keep track with course materials.
- C. This course, like most other upper-level chemistry courses, is all about application, not memorization. You have to apply and remember what you have learned in the past and have a lot of self-motivation or you will not be successful in this class.
- D. CHEM-342 essentially involves learning completely on your own with the facilitation of group members. You learn how to research and formulate scientific questions.
- E. This is a problem-based learning course where 90% of the information you will have to find out on your own.
- F. CHEM-342 is about learning how to understand things you don't know about.
- G. The course is a survey of scientific journal articles relating to the biochemistry of hemoglobin. It involves a great deal of independent reading and research intended to provide an introduction to the field of biochemistry.
- H. Chem-342 will force you to understand and learn. Working in groups will help motivate you to research and participate.
- I. em-342 is a PBL course in which one must put in effort not only to benefit oneself but to benefit a group. I return, each person in the group benefits from not only their knowledge, but the knowledge of others.
- J. Being able to read an article, analyze and research it, and then convey the information.
- K. The essence of this course is the use of PBL to accomplish self-learning in the basic field of hemoglobin study.
- L. The course is designed to make you the teacher. You must find answers and seek understanding, it is not given to you.