COURSE EVALUATION QUESTIONNAIRE

Chemistry 234, Spring 1998
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Please indicate your response by circling the appropriate number. Important: Please circle only one response for each item.

THE STUDENT

1. What year student are you?

1 Freshman ------ 2 Sophomore ------ 3 Junior ------ 4 Senior ------ 5 Special

2. What is your gender?

1 Female ------ 2 Male

3 Major or intended major:

4. How does this course fit into your Carleton program?
1 General or distribution requirement
2 Major/Concentration requirement or elective
3 Elective (not in major or concentration)
4 Unsure
5 Other (Specify: )

5. How much interest did you have in this subject matter before taking the course?
1 Almost none ------ 2 Little ------ 3 A fair amount ------ 4 Much ------ 5 An exceptional amount

6. Compared to other courses you have taken at Carleton, the amount of effort you put in was:
1 Much less in this course
2 Somewhat less in this course
3 About the same
4 Somewhat more in this course
5 Much more in this course

7. Compared to other courses you have taken at Carleton, the amount you learned was:
1 Much less in this course
2 Somewhat less in this course
3 About the same
4 Somewhat more in this course
5 Much more in this course

8. The best lab project was:

1 Acetylation of ferrocene
2 Aldol reaction/unknown
3 Transfer hydrogenation
4 Team project

9. The worst lab project was:

1 Acetylation of ferrocene
2 Aldol reaction/unknown
3 Transfer hydrogenation
4 Team project

LEARNING IN CHEMISTRY 234

1 = Not at all helped ------ 2 = Helped a little ------ 3 = Somewhat helped
4 = Helped quite a bit ------ 5 = Greatly helped

10. The class focus on answering a real world question
1 ------ 2 ------ 3 ------ 4 ------ 5

11. The coherence of the course structure
1 ------ 2 ------ 3 ------ 4 ------ 5

12. The pace at which we worked
1 ------ 2 ------ 3 ------ 4 ------ 5

13. The amount of work that we did
1 ------ 2 ------ 3 ------ 4 ------ 5

14. The class and lab activities:

a. lecture presentations
1 ------ 2 ------ 3 ------ 4 ------ 5

b. discussions in class
1 ------ 2 ------ 3 ------ 4 ------ 5

c. group work in class
1 ------ 2 ------ 3 ------ 4 ------ 5

d. hands-on class activities
1 ------ 2 ------ 3 ------ 4 ------ 5

e. understanding why we were doing each activity/lab
1 ------ 2 ------ 3 ------ 4 ------ 5

f. written lab instructions
1 ------ 2 ------ 3 ------ 4 ------ 5

g. lab organization
1 ------ 2 ------ 3 ------ 4 ------ 5

h. teamwork in labs
1 ------ 2 ------ 3 ------ 4 ------ 5

i. lab reports
1 ------ 2 ------ 3 ------ 4 ------ 5

15. The written and verbal information we were given about:
a. class content
1 ------ 2 ------ 3 ------ 4 ------ 5

b. how parts of the classwork, labs, reading, or assignment relate to each other
1 ------ 2 ------ 3 ------ 4 ------ 5

c. assignments and grading
1 ------ 2 ------ 3 ------ 4 ------ 5

16. Tests, graded activities and assignments:
a. opportunities for class review
1 ------ 2 ------ 3 ------ 4 ------ 5

b. the number and spacing of tests/assignments
1 ------ 2 ------ 3 ------ 4 ------ 5

c. the fairness of test content
1 ------ 2 ------ 3 ------ 4 ------ 5

d. the mental stretch required of us
1 ------ 2 ------ 3 ------ 4 ------ 5

e. the grading system used
1 ------ 2 ------ 3 ------ 4 ------ 5

f. the feedback we got
1 ------ 2 ------ 3 ------ 4 ------ 5

17. Resources:
a. the module student manual

1 ------ 2 ------ 3 ------ 4 ------ 5

b. the class text
1 ------ 2 ------ 3 ------ 4 ------ 5

c. the lab manual
1 ------ 2 ------ 3 ------ 4 ------ 5

d. other reading materials
1 ------ 2 ------ 3 ------ 4 ------ 5

e. use made of the computer in this class
1 ------ 2 ------ 3 ------ 4 ------ 5

18. Individual support as a learner:
a. contacts with the teacher
1 ------ 2 ------ 3 ------ 4 ------ 5

b, contacts with TA's
1 ------ 2 ------ 3 ------ 4 ------ 5

c. working with peers outside of class
1 ------ 2 ------ 3 ------ 4 ------ 5

19. The way that this class was taught overall
1 ------ 2 ------ 3 ------ 4 ------ 5

20. List any aspects of the class NOT mentioned in questions 10-19 that are IMPORTANT TO YOUR LEARNING and
give each of them a 1-5 ranking in terms of the degree to which they helped your learning.
1 ------ 2 ------ 3 ------ 4 ------ 5
1 ------ 2 ------ 3 ------ 4 ------ 5
1 ------ 2 ------ 3 ------ 4 ------ 5
1 ------ 2 ------ 3 ------ 4 ------ 5
1 ------ 2 ------ 3 ------ 4 ------ 5

21. As a result of your work in this class, how well do you think that you now UNDERSTAND
each of the following?
1= Not at all 2 = Just a little 3 = Somewhat 4 = Quite Well 5 = Very Well
a. NAACC chemistry of aldehydes and ketones
1 ------ 2 ------ 3 ------ 4 ------ 5

b. enolates and their chemistry
1 ------ 2 ------ 3 ------ 4 ------ 5

c. acids and bases
1 ------ 2 ------ 3 ------ 4 ------ 5

d. carboxylic acids and their derivatives
1 ------ 2 ------ 3 ------ 4 ------ 5

e. amines and amino acids
1 ------ 2 ------ 3 ------ 4 ------ 5

f. phosphate esters
1 ------ 2 ------ 3 ------ 4 ------ 5

g. carbohydrates
1 ------ 2 ------ 3 ------ 4 ------ 5

h. proteins
1 ------ 2 ------ 3 ------ 4 ------ 5

i. influenza
1 ------ 2 ------ 3 ------ 4 ------ 5

j. chemistry of benzene and its derivatives
1 ------ 2 ------ 3 ------ 4 ------ 5

22. How much has this class ADDED TO YOUR SKILLS in each of the following?
1 = Nothing 2 = A little 3 = Moderately 4 = Quite a lot 5 = A great deal

a. solving problems
1 ------ 2 ------ 3 ------ 4 ------ 5

b. writing papers
1 ------ 2 ------ 3 ------ 4 ------ 5

c. designing a lab experiment
1 ------ 2 ------ 3 ------ 4 ------ 5

d. working effectively with others
1 ------ 2 ------ 3 ------ 4 ------ 5

e. giving an oral presentation
1 ------ 2 ------ 3 ------ 4 ------ 5

23. To what extent did you MAKE GAINS in any of the following as a result of what you did in this
class?

1 = Not at all 2 = A little 3 = Moderately 4 = Quite a lot 5 = A great deal
a. good understanding of the main concepts
1 ------ 2 ------ 3 ------ 4 ------ 5

b. understanding the relationship between concepts
1 ------ 2 ------ 3 ------ 4 ------ 5

c. understanding how ideas in this class relate to those in other chemistry, science, or math classes
1 ------ 2 ------ 3 ------ 4 ------ 5

d. understanding of the relevance of chemistry to real world issues
1 ------ 2 ------ 3 ------ 4 ------ 5

e. understanding of the nature of chemistry
1 ------ 2 ------ 3 ------ 4 ------ 5

f. appreciation of the methods of chemistry
1 ------ 2 ------ 3 ------ 4 ------ 5

g. ability to think through a problem or argument
1 ------ 2 ------ 3 ------ 4 ------ 5

h. confidence in your ability to do chemistry
1 ------ 2 ------ 3 ------ 4 ------ 5

i. feeling comfortable with complex ideas
1 ------ 2 ------ 3 ------ 4 ------ 5

j. enthusiasm for chemistry
1 ------ 2 ------ 3 ------ 4 ------ 5

4. How much of what you learned in this class (i.e., knowledge, skills, and other gains) do you think you will REMEMBER and CARRY WITH YOU into other classes or other aspects of your life?
1 = Nothing 2 = A little 3 = A moderate amount 4 = Quite a lot 5 = A great deal

1 ------ 2 ------ 3 ------ 4 ------ 5

5. Add your own comments below. If they are tied to a particular questions, use the same number or letter as the question to which they apply.