

Fall 99 Post-class Chemistry Survey

Instructions

Thank you for participating by filling out this survey. You are making a contribution to our effort to improve your chemistry courses. This survey is also part of a larger effort to meet the needs of students taking general chemistry at colleges and universities across the country. Your individual answers are completely confidential and will not be seen by your professor or TA. Your responses to this survey will have no impact on your grade in this course. Your survey will never be identified individually in any presentation (written or oral) of the information. Only the combined data from many students will be used.

PART 1: Expectations and Class Experiences

Please use the 7-point scale to indicate your agreement or disagreement with each statement. . If the statement does not apply to you (for example, if it describes working in groups and you never worked in a group in this class) please select "not applicable." If you are completely unfamiliar with the ideas mentioned in the statement, please select "don't know."

		strongly disagree	disagree	neutral	agree	strongly agree	not applicable	don't know
1	This course was organized so that we were encouraged to discuss ideas.	1	2	3	4	5	6	7
2	The structure of this course enabled me to discover some of the ideas of chemistry for myself.	1	2	3	4	5	6	7
3	This course taught me how to solve problems more effectively.	1	2	3	4	5	6	7
4	The pace of this course was too fast for me to understand the material.	1	2	3	4	5	6	7
5	The exams accurately measured what I understood in the course.	1	2	3	4	5	6	7
6	Often in lab I didn't understand the concept behind the lab experiment.	1	2	3	4	5	6	7
7	I like labs where I get to help design an experiment to answer a question.	1	2	3	4	5	6	7
8	This course provided opportunities for me to help design experiments to answer a question.	1	2	3	4	5	6	7
9	It was clear how the lab experiments fit into this course.	1	2	3	4	5	6	7
10	Doing labs in this class was like following a recipe in a cookbook.	1	2	3	4	5	6	7
11	The lab manual for this course was well-written (easy to understand).	1	2	3	4	5	6	7
12	This course improved my understanding of what chemists do.	1	2	3	4	5	6	7
13	Science, as it is practiced in the real world, is objective and unbiased.	1	2	3	4	5	6	7
14	Chemists work to uncover universal laws that already exist in nature.	1	2	3	4	5	6	7
15	Chemists construct theories that explain what they observe in nature.	1	2	3	4	5	6	7
16	It is important to be skeptical about the results of scientific experiments.	1	2	3	4	5	6	7

	strongly disagree	disagree	neutral	agree	strongly agree	not applicable	don't know
17 This course helped me see how chemistry is connected to other disciplines like math, biology, geology, physics, engineering, or astronomy.	1	2	3	4	5	6	7
18 This course helped me feel more comfortable with the idea that some questions have no single right answer.	1	2	3	4	5	6	7
19 I understood most of the ideas presented in this course.	1	2	3	4	5	6	7
20 In this course, the assignments helped prepare me for the tests.	1	2	3	4	5	6	7
21 The computer quizzes helped me assess my learning of chemistry.	1	2	3	4	5	6	7
22 By the end of this course, I knew where and how to look up information.	1	2	3	4	5	6	7
23 By the end of this course, I felt able to apply the concepts presented.	1	2	3	4	5	6	7
24 Taking this class has helped me understand newspaper and other articles I read about science.	1	2	3	4	5	6	7
25 This course helped me get better at seeing alternative approaches to a problem.	1	2	3	4	5	6	7
26 This course encouraged me to apply chemistry ideas to everyday situations.	1	2	3	4	5	6	7
27 I enjoyed taking this chemistry course	1	2	3	4	5	6	7
28 I would recommend this chemistry course to my friends	1	2	3	4	5	6	7

In this course, my learning was enhanced by...

	strongly disagree	disagree	neutral	agree	strongly agree	not applicable	don't know
29 doing homework assignments.	1	2	3	4	5	6	7
30 viewing diagrams and other visual media.	1	2	3	4	5	6	7
31 using computer-based materials.	1	2	3	4	5	6	7
32 reading the textbook.	1	2	3	4	5	6	7
33 working with my lab partner.	1	2	3	4	5	6	7
34 getting good help / tutorial aid.	1	2	3	4	5	6	7
35 Finding mathematical relationships between things	1	2	3	4	5	6	7
36 listening to lecture.	1	2	3	4	5	6	7
37 giving one-on-one explanations.	1	2	3	4	5	6	7
38 doing collaborative problem-solving.	1	2	3	4	5	6	7
39 Thinking about questions asked in lecture	1	2	3	4	5	6	7
40 Studying for exams	1	2	3	4	5	6	7
41 completing lab notebooks.	1	2	3	4	5	6	7
42 Rewriting or annotating my lecture notes	1	2	3	4	5	6	7
43 working in a group.	1	2	3	4	5	6	7
44 working on my own.	1	2	3	4	5	6	7

I know I understand when ...

45 I can work homework problems in the book.	1	2	3	4	5	6	7
46 I can apply ideas to new situations.	1	2	3	4	5	6	7
47 I get a good grade on an exam.	1	2	3	4	5	6	7
48 I can explain the ideas to someone else.	1	2	3	4	5	6	7
49 I can see how concepts relate to one another.	1	2	3	4	5	6	7

Taking this course has increased my interest in ...

50 science in general.	1	2	3	4	5	6	7
51 chemistry in general.	1	2	3	4	5	6	7
52 taking more chemistry.	1	2	3	4	5	6	7
53 pursuing a chemistry-related major.	1	2	3	4	5	6	7
54 pursuing a science-related field.	1	2	3	4	5	6	7
55 working with others to learn science.	1	2	3	4	5	6	7

56 How many more chemistry courses do you plan to take?

- | | | |
|------|--------------|------|
| 1. 1 | 4. 4 | |
| 2. 2 | 5. 5 | 7. 0 |
| 3. 3 | 6. 6 or more | |

57 How many more courses do you plan to take in math and science (excluding chemistry)?

- | | | |
|------|--------------|------|
| 1. 1 | 4. 4 | |
| 2. 2 | 5. 5 | 7. 0 |
| 3. 3 | 6. 6 or more | |

58 During the week of a chemistry test, how many hours did you spend studying chemistry?

1. 0 – 3 hours
2. 4 - 7 hours
3. 8 - 11 hours
4. 12 - 15 hours
5. 16 - 19 hours
6. 20 - 23 hours
7. 24 or more hours

59 During the week of a chemistry test, how many end-of-the-chapter problems did you solve without consulting a tutor, friend, or solution manual?

1. 0
2. 1 - 3
3. 4 - 6
4. 7 - 9
5. 10 - 12
6. 13 - 15
7. > 15

60 For an average week in which there was no chemistry test, how many end-of-the-chapter problems did you solve without consulting a tutor, friend, or solution manual?

1. 0
2. 1 - 3
3. 4 - 6
4. 7 - 9
5. 10 - 12
6. 13 - 15
7. > 15

61 For an average week in which there was no chemistry test, how many hours did you spend doing chemistry homework?

1. 0
2. 1 hour
3. 2 hours
4. 3 hours
5. 4 hours
6. 5 hours
7. 6 or more hours

62 For an average week in which there was no chemistry test, how many hours did you spend reading the chemistry textbook?

1. 0
2. 1 hour
3. 2 hours
4. 3 hours
5. 4 hours
6. 5 hours
7. 6 or more hours

- 63** For an average week in which there was no chemistry test, how many hours did you spend reviewing your chemistry lecture notes?
1. 0
 2. 1/2 hour
 3. 1 hour
 4. 1 1/2 hours
 5. 2 hours
 6. 2 1/2 hours
 7. 3 or more hours
- 64** For an average week in which there was no chemistry test, how many hours did you spend in a study group working on chemistry?
1. 0
 2. 1 hour
 3. 2 hours
 4. 3 hours
 5. 4 hours
 6. 5 hours
 7. 6 or more hours
- 65** I read the assigned sections of the textbook before they were covered in lecture.
1. All of the time
 2. Most of the time
 3. Half of the time
 4. Some of the time
 5. Rarely, if ever
- 66** I received the following assistance in this course (check all that apply)
1. Tutoring through the Learning Resource Center in First Year of Studies
 2. Collaborative Learning through the Learning Resource Center in First Year of Studies
 3. Drop-in Tutoring through the Department of Chemistry and Biochemistry
 4. Tutoring through the Office for Student-Athletes
 5. None of the above.
- 67** What grade do you expect to receive in this class?
1. A
 2. A-
 3. B+
 4. B
 5. B-
 6. C+
 7. C
 8. C-
 9. D
 10. F

Thank You!