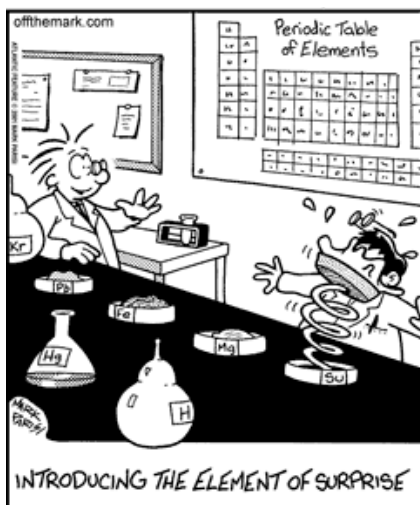


## Chemistry Students' Union



### Introduction

The Chemistry Students' Union (CSU) is a University of Toronto students' union that represents the interests of all undergraduate students who take a course offered by the Department of Chemistry and it is bound by the CSU constitution.

The CSU not only holds many academic and social events but it also acts as your representative to the Department of Chemistry. The CSU is also responsible for providing reliable information on Chemistry courses, based on the comments written on the questionnaire handed out towards the end of your course, to the annual ASSU Anti-Calendar. Check out our website: <http://www.mycsu.ca/>

CSU Executive

### CHM 101H1S The Chemistry and Biology of Organic Molecules: Sex, Drugs and Rock and Roll!

Instructor(s): R.A Batey

Enr: 97	Resp: 28						Retake: 70%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	3	29	48	18	5.8
Explains	0	0	7	7	25	32	28	5.7
Communicates	0	0	0	0	10	35	53	6.4
Teaching	0	0	0	0	25	33	40	6.1
Workload	3	0	17	46	25	3	3	4.1
Difficulty	3	3	7	46	25	3	10	4.4
Learn Exp	0	4	0	40	27	13	13	4.9

This course was enjoyable, however, the second half of the course noted to be much more difficult than the first half. Too much of a science background was assumed for non-science students. The instructor was extremely knowledgeable about all concepts.

### CHM 138H1F Introductory Organic Chemistry I

Instructor(s): A. Yudin

Enr: 192	Resp: 100						Retake: 65%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	9	11	37	30	11	5.2
Explains	0	0	6	18	33	24	17	5.3
Communicates	0	2	8	11	28	32	18	5.4
Teaching	0	1	6	15	23	38	16	5.4
Workload	0	1	4	42	29	18	4	4.7
Difficulty	0	1	4	34	31	21	6	4.9
Learn Exp	1	1	0	30	36	22	7	5.0

Students were generally very impressed with the instructor. Yudin explained concepts clearly and at a good pace. Yudin encouraged questions and answered them well. The course material was well organized. Tutorials were invaluable.

Students found that examinations were much more challenging than the example problems done in class. The partly completed powerpoint slides distracted students from listening fully. The lecture material was not coordinated with the textbook.

### CHM 138H1F Introductory Organic Chemistry I

Instructor(s): A. Dicks, K. Quinlan

Enr: 481	Resp: 279						Retake: 71%	
	1	2	3	4	5	6	7	Mean
<b>Dicks:</b>								
Presents	0	0	0	2	13	32	50	6.3
Explains	0	0	0	2	16	42	38	6.2
Communicates	0	0	0	1	9	31	56	6.4
Teaching	0	0	0	2	8	33	54	6.4
<b>Quinlan:</b>								
Presents	0	0	0	7	27	37	25	5.8
Explains	0	0	1	6	16	44	30	5.9
Communicates	0	0	0	5	23	36	33	5.9
Teaching	0	0	0	7	20	43	27	5.9
<b>Course:</b>								
Workload	0	0	0	31	34	22	9	5.1
Difficulty	0	0	2	28	34	23	9	5.1
Learn Exp	0	1	1	21	31	30	12	5.2

Students were very impressed with Dicks, to the point of applause following each lecture. He was humorous and enthusiastic; he communicated his knowledge clearly and concisely. His lecture notes were well organized. He encouraged questions.

Students found Quinlan knowledgeable and enthusiastic. She was very approachable with questions. She communicated her expectations clearly. Students very much liked her examples drawn on overhead slides.

The tests were of appropriate difficulty. Students found the laboratory component to be disconnected from the lecture, uninformative, and inconsistently graded.

Instructor(s): D. Seferos

Enr: 481	Resp: 242						Retake: 70%	
	1	2	3	4	5	6	7	Mean
Presents	2	1	14	24	24	22	9	4.7
Explains	2	2	12	26	22	20	14	4.9
Communicates	2	4	8	27	27	18	11	4.7
Teaching	2	2	5	21	32	23	11	5.0
Workload	0	1	0	36	35	20	6	4.9
Difficulty	1	0	1	31	37	19	9	5.0
Learn Exp	2	0	2	22	30	28	12	5.1

Students felt that Seferos covered the material well, but that he was confusing at times and did not really answer questions. Additionally, Seferos was found to move too quickly through the material; some of his notes were found to be repetitive.

Instructor(s): D. Zamble, K. Quinlan

Enr: 192	Resp: 98						Retake: 65%	
	1	2	3	4	5	6	7	Mean
<b>Zamble:</b>								
Presents	0	2	4	19	27	40	6	5.2
Explains	1	5	7	12	29	37	7	5.1
Communicates	3	4	9	19	25	29	9	4.9
Teaching	1	6	4	13	30	36	8	5.1
<b>Quinlan:</b>								
Presents	0	0	2	8	23	54	11	5.6
Explains	0	1	2	9	13	54	19	5.8
Communicates	0	0	2	4	19	38	35	6.0
Teaching	0	1	2	9	17	47	21	5.8
<b>Course:</b>								
Workload	0	0	2	42	36	14	3	4.7
Difficulty	0	0	4	33	33	16	11	5.0
Learn Exp	1	0	1	28	35	22	10	5.1

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Overall, students liked Zamble and thought she was kind and interesting. However, her lecture notes were not organized.

Students really enjoyed Quinlan's lectures and thought she was really enthusiastic and helpful.

Overall, this course was very useful and interesting. Many students strongly emphasized the importance of tutorials. Some students recommended the use of real-life application to reinforce the course material.

Instructor(s): A. Dicks, K. Quinlan

Enr: 378	Resp: 213							Retake: 74%
	1	2	3	4	5	6	7	Mean
<u>Dicks:</u>								
Presents	0	0	0	1	9	36	52	6.4
Explains	0	0	0	5	14	35	43	6.2
Communicates	0	0	0	1	4	30	62	6.5
Teaching	0	0	0	0	8	32	57	6.4
<u>Quinlan:</u>								
Presents	0	0	1	7	25	37	26	5.8
Explains	0	0	1	4	20	37	36	6.0
Communicates	0	0	0	4	13	35	45	6.2
Teaching	0	0	0	4	16	43	33	6.0
<u>Course:</u>								
Workload	0	0	1	36	33	21	6	4.9
Difficulty	0	0	2	27	37	24	8	5.1
Learn Exp	0	2	1	21	32	29	12	5.2

Students found Dicks to be an amazing instructor. His lectures were described to be clear and highly informative. They thought he was friendly and approachable.

Students appreciated Quinlan's use of the overhead to explain concepts with examples. They found her enthusiastic and approachable. Her lecture notes could have been better organized though.

Students thought the lab component slightly difficult and time-consuming. They also felt it should have been more relevant to what they were learning in lecture. Evaluations were considered fair though there were mixed reviews. Tutorials were helpful.

Instructor(s): D. Seferos

Enr: 378	Resp: 203							Retake: 73%
	1	2	3	4	5	6	7	Mean
Presents	0	0	2	22	37	23	13	5.2
Explains	0	0	6	13	31	25	20	5.4
Communicates	0	1	5	19	24	27	20	5.3
Teaching	0	0	2	15	36	23	19	5.4
Workload	0	0	1	35	36	20	5	4.9
Difficulty	0	0	1	28	38	19	10	5.1
Learn Exp	0	3	1	31	25	25	12	5.1

Students thought that Seferos was very effective and was good at getting the information across. Students wished he had been more exciting, especially for the Monday morning classes. Some students felt that some sections of the material were rushed and could have used extra attention.

Instructor(s): C.S. Browning, J. Chin

Enr: 270	Resp: 108							Retake: 57%
	1	2	3	4	5	6	7	Mean
<u>Browning:</u>								
Presents	0	0	0	13	22	31	30	5.7
Explains	0	4	2	10	30	31	20	5.4
Communicates	0	0	0	7	19	34	39	6.0
Teaching	1	0	2	12	26	35	20	5.5
<u>Chin:</u>								
Presents	3	4	17	13	32	18	9	4.6
Explains	0	3	6	13	31	28	15	5.2
Communicates	0	0	1	11	26	35	23	5.6
Teaching	0	0	3	19	26	36	13	5.4
<u>Course:</u>								
Workload	0	0	0	44	25	22	8	5.0
Difficulty	0	0	0	21	40	25	11	5.3

Learn Exp 0 2 2 40 27 18 8 4.8

Browning's slides were such that attendance was essential to really grasp the concepts. Tests were difficult, but classes were enjoyable and very organized. Tutorials were helpful.

Chin's slides tended to be disorganized, and the mechanisms explained too quickly. Chin was approachable and enthusiastic. The examples and hints were appreciated. It was thought that more time should be spent on Fischer projections.

Instructor(s): M. Nitz

Enr: 270	Resp: 102							Retake: 63%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	8	27	28	34	5.9
Explains	0	0	0	6	16	31	47	6.2
Communicates	0	0	0	3	24	29	41	6.1
Teaching	0	0	0	6	23	31	37	6.0
Workload	0	0	0	40	31	21	6	4.9
Difficulty	0	0	1	19	40	27	10	5.3
Learn Exp	0	2	0	41	23	25	7	4.9

Students really liked Nitz's teaching and especially his use of very helpful examples in class.

Instructor(s): C.S. Browning, J. Chin

Enr: 390	Resp: 157							Retake: 60%
	1	2	3	4	5	6	7	Mean
<u>Browning:</u>								
Presents	0	1	3	7	21	42	21	5.6
Explains	1	3	5	14	24	33	16	5.3
Communicates	0	0	2	6	19	36	35	6.0
Teaching	0	2	5	7	22	44	16	5.5
<u>Chin:</u>								
Presents	1	3	12	19	26	24	12	4.9
Explains	0	1	8	22	28	25	12	5.1
Communicates	0	0	6	15	32	27	17	5.3
Teaching	0	1	5	20	26	34	11	5.2
<u>Course:</u>								
Workload	0	0	0	32	37	23	5	5.0
Difficulty	0	0	0	25	35	30	9	5.2
Learn Exp	0	0	4	34	27	24	7	4.9

Browning was clear, organized, and enthusiastic.

Chin was approachable and generously helpful. His lectures could have been more organized and his slides could have had more details.

Students felt the tests were significantly harder than examples and problems given in class.

Instructor(s): M. Nitz

Enr: 390	Resp: 138							Retake: 59%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	7	26	35	30	5.9
Explains	0	0	0	2	15	33	48	6.3
Communicates	0	0	0	5	17	39	37	6.1
Teaching	0	0	0	4	18	50	26	6.0
Workload	0	0	2	31	38	22	5	5.0
Difficulty	0	0	0	24	35	30	8	5.2
Learn Exp	0	3	4	32	23	25	11	5.0

Students really liked the example problems given in class. Nitz was thorough and enthusiastic, and helpful. His lectures were easy to follow and effective.

### CHM 139H1F Chemistry: Physical Principles

Instructor(s): R. Jockusch

Enr: 331	Resp: 184							Retake: 53%
	1	2	3	4	5	6	7	Mean
Presents	0	0	1	8	29	33	25	5.7

Explains	0	0	1	6	33	33	25	5.8
Communicates	0	0	1	6	21	39	31	5.9
Teaching	0	0	0	7	26	43	21	5.8
Workload	0	0	2	30	29	27	9	5.1
Difficulty	0	0	2	24	29	31	11	5.2
Learn Exp	0	3	3	39	24	22	6	4.8

The students generally liked the instructor's teaching, especially her experimental demos. Jockusch was approachable and enthusiastic, however, some felt the lectures should be at a slower pace, and include more example problems.

Instructor(s): C.S. Browning

Enr: 351	Resp: 191							Retake: 54%
	1	2	3	4	5	6	7	Mean
Presents	1	2	3	17	28	32	14	5.3
Explains	2	4	11	18	28	25	9	4.8
Communicates	0	0	2	8	18	37	32	5.9
Teaching	1	4	10	19	25	29	10	4.9
Workload	0	0	2	33	27	26	9	5.1
Difficulty	0	0	1	25	27	33	12	5.3
Learn Exp	0	4	4	36	26	21	5	4.7

Students thought that Browning was very enthusiastic and gave interesting lectures. Student's most common comment was that the exams were very difficult and did not accurately reflect material covered in lectures. Students complained about very low averages on exams. Overall, students thought they learned a lot from Browning.

Instructor(s): C.S. Browning

Enr: 243	Resp: 107							Retake: 56%
	1	2	3	4	5	6	7	Mean
Presents	0	0	4	11	29	34	18	5.5
Explains	0	2	11	15	30	21	17	5.1
Communicates	0	0	1	5	22	28	42	6.0
Teaching	0	3	5	18	25	27	18	5.2
Workload	0	0	0	33	34	24	6	5.0
Difficulty	0	0	0	25	35	30	6	5.1
Learn Exp	0	1	1	31	35	26	4	5.0

Browning was described as enthusiastic and interesting. Students would have appreciated more examples in order to better understand the material. They also found the evaluations difficult compared to the problems they were assigned for preparation.

Instructor(s): R. Jockusch

Enr: 243	Resp: 103							Retake: 53%
	1	2	3	4	5	6	7	Mean
Presents	1	0	3	7	21	36	27	5.7
Explains	0	0	4	9	20	33	30	5.7
Communicates	0	0	2	5	19	32	38	5.9
Teaching	1	0	2	7	21	44	21	5.7
Workload	0	1	0	33	33	27	5	5.0
Difficulty	0	1	1	26	36	28	7	5.1
Learn Exp	0	1	0	34	34	25	4	5.0

Students were very impressed with Jockusch. She presented many examples, and sample questions of various types. Students appreciated the clicker questions. Her review at the beginning and end of each class helped students consolidate knowledge.

Some students found her presentation skills a little lacking. Sometimes she rushed through examples with many calculations.

Instructor(s): D. Stone, G. Scholes

Enr: 384	Resp: 97							Retake: 46%
	1	2	3	4	5	6	7	Mean
Presents	3	3	4	14	34	24	15	5.1

Stone:

Explains	3	2	2	13	30	32	15	5.3
Communicates	3	0	1	10	25	36	23	5.6
Teaching	3	1	1	9	37	34	13	5.3
Scholes:								
Presents	4	6	7	28	29	18	5	4.5
Explains	4	8	8	26	26	18	7	4.5
Communicates	5	9	10	34	21	12	6	4.2
Teaching	3	4	7	25	39	14	6	4.6
Course:								
Workload	0	0	1	36	32	16	13	5.0
Difficulty	0	0	1	34	31	14	18	5.2
Learn Exp	3	0	6	44	25	14	5	4.5

There was a discrepancy between what was taught in lecture and what was tested. Stone was an enjoyable lecturer, and the demonstrations were appreciated. Review sessions would be helpful. More organization of the lecture material would be better. Clicker questions were useful.

Scholes' lecture slides were informative and organized. He was always available during office hours. Scholes was not very enthusiastic. Tests were difficult.

Instructor(s): R.J.D. Miller

Enr: 384	Resp: 97							Retake: 49%
	1	2	3	4	5	6	7	Mean
Presents	0	2	6	16	20	29	25	5.4
Explains	0	0	7	9	25	23	34	5.7
Communicates	0	0	1	6	11	28	53	6.3
Teaching	0	0	6	8	21	29	34	5.8
Workload	0	0	0	36	35	16	11	5.0
Difficulty	0	0	0	28	35	21	14	5.2
Learn Exp	0	0	5	48	17	15	13	4.8

Students found Miller to be very enthusiastic and his demos to be very useful. They also enjoyed his fireside chats and found his review material to be very helpful.

Instructor(s): D. Stone, G. Scholes

Enr: 380	Resp: 55							Retake: 39%
	1	2	3	4	5	6	7	Mean
Stone:								
Presents	0	1	9	25	26	23	13	5.0
Explains	0	0	3	17	40	23	15	5.3
Communicates	0	0	1	16	26	32	22	5.6
Teaching	0	0	0	17	41	25	15	5.4
Scholes:								
Presents	2	8	12	18	30	20	8	4.6
Explains	1	3	17	23	33	13	5	4.6
Communicates	5	5	7	32	30	9	9	4.4
Teaching	1	3	9	26	34	17	5	4.6
Course:								
Workload	1	0	1	25	40	14	14	5.1
Difficulty	1	0	1	20	28	24	22	5.4
Learn Exp	2	6	9	32	23	9	16	4.6

Stone was an enthusiastic instructor. Scholes was good, but lectures could have been more organized.

Instructor(s): R.J.D. Miller

Enr: 380	Resp: 57							Retake: 47%
	1	2	3	4	5	6	7	Mean
Presents	0	1	0	19	35	16	26	5.4
Explains	0	3	3	16	20	29	27	5.5
Communicates	1	0	0	7	17	14	5	6.2
Teaching	0	0	5	9	25	34	25	5.7
Workload	2	0	0	34	34	13	13	5.0
Difficulty	2	0	0	28	26	23	19	5.2
Learn Exp	2	5	0	42	22	11	14	4.7

Miller was a very approachable and enthusiastic instructor. He con-

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veyed deep knowledge of the course material and provided students with an enjoyable experience.

The students felt the Demos were very informative and helpful. The review session was very comprehensive but could have benefited from more questions. Students felt they could have benefited from further assistance outside of tutorials.

Instructor(s): D. McIntosh, D. Segal

Enr: 149	Resp: 27							Retake: 69%
	1	2	3	4	5	6	7	Mean
<u>McIntosh:</u>								
Presents	0	0	0	26	23	46	3	5.3
Explains	0	0	4	28	28	32	8	5.1
Communicates	0	0	3	15	30	26	23	5.5
Teaching	0	3	14	7	44	25	3	4.9
<u>Segal:</u>								
Presents	0	0	14	14	33	29	7	5.0
Explains	0	4	4	33	33	16	8	4.8
Communicates	3	3	11	19	46	7	7	4.5
Teaching	3	3	14	18	40	14	3	4.5
<u>Course:</u>								
Workload	0	3	0	33	37	7	18	5.0
Difficulty	0	0	0	37	25	11	25	5.3
Learn Exp	10	5	10	42	21	10	0	3.9

McIntosh explained concepts clearly and used examples effectively.

Segal was sometimes difficult to understand but the lectures and slides were of good quality. Tests were very difficult.

### CHM 151Y1Y Chemistry: The Molecular Science

Instructor(s): M. Taylor

Enr: 125	Resp: 80							Retake: 68%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	3	18	36	41	6.2
Explains	0	0	6	6	20	36	31	5.8
Communicates	0	0	0	5	13	28	52	6.3
Teaching	0	0	0	0	18	38	42	6.2
Workload	0	0	0	22	25	40	12	5.4
Difficulty	0	1	0	11	42	30	15	5.4
Learn Exp	1	0	4	10	31	41	10	5.4

Students found Taylor enthusiastic, insightful, and an excellent lecturer overall. Tutorials were helpful and well-organized; overall the course was very good.

Instructor(s): D.W. Stephan

Enr: 98	Resp: 53							Retake: 76%
	1	2	3	4	5	6	7	Mean
Presents	0	0	4	12	36	38	10	5.4
Explains	0	1	1	11	29	33	21	5.5
Communicates	4	0	10	22	22	20	22	5.1
Teaching	1	0	3	11	36	28	17	5.4
Workload	1	1	3	35	33	19	3	4.7
Difficulty	1	1	5	33	39	11	5	4.6
Learn Exp	0	0	0	25	30	32	12	5.3

Some students found the course load to be a little high for first year. Many found Stephan to be enthusiastic and generally good at explaining concepts. Some students also complained that the NMR component should have been taught before the labs.

### CHM 210H1F Chemistry of Environmental Change

Instructor(s): J. Murphy

Enr: 42	Resp: 26							Retake: 80%
	1	2	3	4	5	6	7	Mean
Presents	0	0	7	7	26	34	23	5.6
Explains	0	0	3	15	19	38	23	5.6
Communicates	0	0	3	3	19	42	30	5.9

Teaching	0	0	3	3	15	38	38	6.0
Workload	0	0	7	46	38	3	3	4.5
Difficulty	0	0	7	57	23	7	3	4.4
Learn Exp	0	0	11	16	33	27	11	5.1

The instructor was very approachable, and readily available to help students: she responded to email queries, and was available on a drop-in basis. She evaluated the students by assignments and oral presentations in addition to conventional examinations. The students felt that this marking scheme better reflected their understanding of the course material.

Students felt the problem sets were far too difficult, compared with examples presented in the textbook and in lecture.

### CHM 217H1F Introduction to Analytical Chemistry

Instructor(s): D. Stone

Enr: 99	Resp: 67							Retake: 48%
	1	2	3	4	5	6	7	Mean
Presents	1	2	20	19	29	19	5	4.6
Explains	1	2	5	23	23	25	16	5.1
Communicates	0	2	0	8	25	26	35	5.8
Teaching	1	0	0	23	29	26	17	5.3
Workload	0	0	1	20	35	23	17	5.7
Difficulty	0	0	1	34	33	18	12	5.0
Learn Exp	1	1	6	46	15	24	3	4.6

Students felt that Stone was enthusiastic overall, but that his lecture slides were very disorganized. Also, his tests were found to be too short, and the workload of the course was found to be too heavy. Other than that, students considered Stone to be nice and approachable.

### CHM 220H1F Physical Chemistry for Life Sciences

Instructor(s): R.E. Kapral

Enr: 316	Resp: 89							Retake: 42%
	1	2	3	4	5	6	7	Mean
Presents	1	0	2	10	25	30	30	5.7
Explains	1	1	2	12	20	29	33	5.7
Communicates	1	0	1	9	18	31	38	5.9
Teaching	1	1	1	4	21	34	35	5.9
Workload	3	1	7	44	15	20	6	4.6
Difficulty	2	1	1	23	16	29	25	5.4
Learn Exp	0	4	4	35	18	18	17	4.9

Problem sets were found to be helpful, and students described Kapral as engaging and enthusiastic. Kapral went out of his way to make the esoteric lecture material accessible to a life science audience.

### CHM 221H1S Physical Chemistry: The Molecular Viewpoint

Instructor(s): D. Segal

Enr: 59	Resp: 37							Retake: 20%
	1	2	3	4	5	6	7	Mean
Presents	0	2	18	35	27	10	5	4.4
Explains	5	0	21	32	32	8	0	4.1
Communicates	0	2	10	24	32	21	8	4.8
Teaching	0	5	5	35	29	16	8	4.7
Workload	0	0	5	51	32	10	0	4.5
Difficulty	0	0	0	16	18	32	32	5.8
Learn Exp	3	3	17	55	13	6	0	3.9

Students said Segal's notes were very unclear, and conveyed a very poor overview of the material. Students felt that it was beneficial that Segal was available for office hours.

Students felt that the concepts were too abstract and difficult to understand. Students stated that the evaluations were not a fair representation of the course material, which lowered the educational value of the course.



**CHM 225Y1Y Introduction to Physical Chemistry**

Instructor(s): A. Dhirani

	Enr: 44							Mean
	1	2	3	4	5	6	7	
Presents	0	0	9	21	31	18	18	5.2
Explains	0	3	6	12	28	31	18	5.3
Communicates	0	0	9	12	32	22	22	5.4
Teaching	0	0	3	6	46	21	21	5.5
Workload	3	3	15	46	25	3	3	4.1
Difficulty	0	3	3	46	34	3	9	4.6
Learn Exp	0	4	9	36	27	13	9	4.6

Dhirani was organized and logical in presenting course material. Students thought he was helpful to their learning experience. Students thought that the pace of the course could have been faster and also thought that more problem sets would have been useful.

Instructor(s): D. Segal

	Enr: 39							Mean
	1	2	3	4	5	6	7	
Presents	5	17	5	41	17	5	5	3.9
Explains	11	0	11	38	22	11	5	4.2
Communicates	16	0	5	22	23	5	16	4.4
Teaching	11	5	5	33	22	11	11	4.3
Workload	0	0	11	44	38	5	0	4.4
Difficulty	0	0	5	22	27	22	22	5.3
Learn Exp	12	12	18	37	6	12	0	3.5

Students found the course to be taught rather poorly, especially due to the fact that it combined seminars with CHM221. They also found the material too complicated and felt the concepts were explained too poorly.

**CHM 238Y1Y Introduction to Inorganic Chemistry**

Instructor(s): D. McIntosh, G.A. Ozin

	Enr: 55							Mean
	1	2	3	4	5	6	7	
<u>McIntosh:</u>								
Presents	0	0	0	0	37	48	13	5.8
Explains	0	0	0	0	40	45	13	5.7
Communicates	0	0	0	2	21	40	35	6.1
Teaching	0	0	0	8	21	45	24	5.9
<u>Ozin:</u>								
Presents	0	0	5	13	36	30	13	5.3
Explains	0	0	0	11	20	48	20	5.8
Communicates	0	0	0	2	8	34	54	6.4
Teaching	0	0	0	11	25	44	19	5.7
<u>Course:</u>								
Workload	0	2	2	33	52	2	5	4.7
Difficulty	0	0	2	32	40	21	2	4.9
Learn Exp	0	0	2	25	28	31	11	5.2

**CHM 247H1F Introductory Organic Chemistry II**

Instructor(s): C. Kutas

	Enr: 82							Mean
	1	2	3	4	5	6	7	
Presents	0	0	0	22	34	31	11	5.3
Explains	0	0	8	27	25	25	13	5.1
Communicates	0	0	5	30	16	27	19	5.2
Teaching	0	0	0	25	27	33	13	5.4
Workload	0	0	0	31	34	22	11	5.1
Difficulty	0	0	2	31	31	14	20	5.2
Learn Exp	0	3	3	46	21	14	10	4.7

The instructor was helpful. Some felt more examples could have been discussed in class.

Instructor(s): M.A. Winnik

	Enr: 365							Mean
	1	2	3	4	5	6	7	
Presents	0	0	4	8	22	30	33	5.8
Explains	0	0	0	6	15	36	41	6.1
Communicates	0	0	0	0	7	23	68	6.6
Teaching	0	0	0	3	10	25	60	6.4
Workload	0	0	1	26	34	25	11	5.2
Difficulty	0	0	0	23	31	27	15	5.3
Learn Exp	1	0	2	34	26	22	13	5.1

Students really liked Winnik, his tests were fair and he was humorous and helpful. Some students felt he could have been more organized in lectures.

Instructor(s): V. Dong

	Enr: 365							Mean
	1	2	3	4	5	6	7	
Presents	0	0	0	10	25	35	27	5.8
Explains	0	0	1	7	25	38	27	5.8
Communicates	0	0	1	7	21	33	34	6.0
Teaching	0	0	0	8	25	36	29	5.9
Workload	1	0	0	26	33	27	10	5.2
Difficulty	1	0	0	22	29	32	13	5.3
Learn Exp	1	0	1	38	32	18	7	4.9

Students thought the instructor was excellent and enjoyed the review session. Students felt Dong tried to teach the material in a fun and interesting way. Some students felt that the instructor spoke too fast sometimes and the evaluations and work were difficult.

Instructor(s): M.A. Winnik

	Enr: 293							Mean
	1	2	3	4	5	6	7	
Presents	0	0	4	10	18	33	33	5.8
Explains	0	0	0	3	10	38	47	6.3
Communicates	0	0	0	0	6	27	66	6.6
Teaching	0	0	0	3	3	38	55	6.5
Workload	0	0	2	12	42	26	16	5.4
Difficulty	2	0	2	14	36	28	16	5.3
Learn Exp	2	0	2	28	35	14	16	5.0

Students really enjoyed Winnik's teaching, and they had a great overall learning experience.

Instructor(s): V. Dong

	Enr: 293							Mean
	1	2	3	4	5	6	7	
Presents	0	0	1	4	22	33	38	6.0
Explains	0	0	0	4	23	43	29	6.0
Communicates	0	0	0	4	16	38	40	6.2
Teaching	0	0	1	2	15	46	33	6.1
Workload	0	0	2	11	44	24	17	5.4
Difficulty	0	0	1	11	39	33	14	5.5
Learn Exp	1	0	1	32	37	9	16	5.0

**CHM 249H1S Organic Chemistry**

Instructor(s): A. Yudin

	Enr: 75							Mean
	1	2	3	4	5	6	7	
Presents	0	0	2	6	14	30	46	6.1
Explains	0	0	0	0	12	26	61	6.5
Communicates	0	0	0	0	4	24	71	6.7
Teaching	0	0	0	2	10	30	57	6.4
Workload	0	0	2	31	35	18	12	5.1
Difficulty	0	0	2	32	36	22	6	5.0
Learn Exp	0	0	0	8	23	36	30	5.9

The students spoke very highly of Yudin. Yudin communicated the course material extremely clearly and simply. Students felt Yudin was very knowledgeable and enthusiastic about the material.

Students found the course to be a fair and balanced introduction to organic chemistry, with good assessments and valuable lab experience.

### CHM 310H1S Environmental Chemistry

Instructor(s): J. Abbatt

	Resp: 72							Retake: 87%
	1	2	3	4	5	6	7	
	1	2	3	4	5	6	7	Mean
Presents	0	0	4	5	27	43	19	5.7
Explains	0	0	1	8	18	45	26	5.9
Communicates	0	0	0	4	11	27	56	6.4
Teaching	0	0	0	4	19	38	37	6.1
Workload	0	0	11	52	28	8	0	4.3
Difficulty	0	0	5	54	28	9	1	4.5
Learn Exp	0	0	1	16	41	29	11	5.3

Students spoke very highly of the instructor and found him approachable. Students enjoyed the problem sets and wished there had been more. Students were concerned that the exam's marking scheme was unfair.

### CHM 317H1S Introduction of Instrumental Methods of Analysis

Instructor(s): R. Jockusch

	Resp: 31							Retake: 61%
	1	2	3	4	5	6	7	
	1	2	3	4	5	6	7	Mean
Presents	0	3	9	9	16	35	25	5.5
Explains	0	3	6	12	22	41	12	5.3
Communicates	0	0	3	6	25	35	29	5.8
Teaching	0	3	0	6	25	38	25	5.7
Workload	6	0	0	3	26	23	40	5.7
Difficulty	3	3	0	6	54	22	9	5.1
Learn Exp	0	4	0	20	28	48	0	5.2

Students universally agreed that the workload was very heavy, especially the labs and problem sets. Students thought the instructor was enthusiastic and passionate, but thought the slides were poorly organized.

### CHM 325H1S Introduction to Inorganic and Polymer Materials Chemistry

Instructor(s): M.A. Winnik, G.A. Ozin

	Resp: 18							Retake: 77%
	1	2	3	4	5	6	7	
	1	2	3	4	5	6	7	Mean
<u>Winnik:</u>								
Presents	0	0	0	5	22	55	16	5.8
Explains	0	0	0	5	11	61	22	6.0
Communicates	0	0	0	0	11	50	38	6.3
Teaching	0	0	0	5	11	27	18	6.1
<u>Ozin:</u>								
Presents	0	0	0	11	33	44	11	5.6
Explains	0	0	0	5	22	50	22	5.9
Communicates	0	0	0	0	0	44	55	6.6
Teaching	0	0	0	5	11	55	27	6.1
<u>Course:</u>								
Workload	5	11	5	38	33	5	0	4.0
Difficulty	0	5	5	27	22	38	5	4.9
Learn Exp	0	0	16	8	33	8	33	5.3

Both instructors were excellent and showed real interest in the material. A complaint of students was that the halves of the course did not seem to go together very well. The course required a substantial amount of additional knowledge that was not part of the lecture content.

### CHM 326H1F Introductory Quantum Mechanics and Spectroscopy

Instructor(s): A. Dhirani

	Resp: 8							Retake: 57%
	1	2	3	4	5	6	7	
	1	2	3	4	5	6	7	Mean
Presents	0	0	12	0	37	25	25	5.5
Explains	0	0	0	12	12	25	50	6.1
Communicates	0	0	0	12	0	25	62	6.4
Teaching	0	12	12	62	12	0	0	3.8
Workload	0	0	12	37	37	0	12	4.6
Difficulty	0	0	12	37	37	0	12	4.6
Learn Exp	0	0	20	20	40	0	20	4.8

### CHM 327H1F Experimental Physical Chemistry

Instructor(s): M.C. Goh

	Resp: 14							Retake: 69%
	1	2	3	4	5	6	7	
	1	2	3	4	5	6	7	Mean
Presents	0	0	21	28	28	7	14	4.6
Explains	0	0	7	28	28	14	21	5.1
Communicates	0	0	0	0	28	28	42	6.1
Teaching	0	0	14	7	28	21	28	5.4
Workload	0	14	14	42	14	14	0	4.0
Difficulty	7	0	21	42	21	0	7	4.0
Learn Exp	0	11	11	11	11	44	11	5.0

### CHM 328H1S Modern Physical Chemistry

Instructor(s): S.G. Whittington

	Resp: 6							Retake: 100%
	1	2	3	4	5	6	7	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	16	0	83	6.7
Explains	0	0	0	0	0	33	66	6.5
Communicates	0	0	0	0	0	33	66	6.7
Teaching	0	0	0	0	0	16	83	6.8
Workload	0	0	0	100	0	0	0	4.0
Difficulty	0	0	0	40	40	20	0	4.8
Learn Exp	0	0	0	40	0	20	40	5.6

Students were very appreciative of Whittington's teaching style, especially how he paid close attention to the needs of each student. Students complained that there were not more assigned problems or readings.

### CHM 338H1F Intermediate Inorganic Chemistry

Instructor(s): R.H. Morris

	Resp: 12							Retake: 90%
	1	2	3	4	5	6	7	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	8	75	16	0	5.1
Explains	0	0	0	25	50	16	8	5.1
Communicates	0	0	8	0	25	58	8	5.6
Teaching	0	0	0	0	8	83	12	6.0
Workload	0	0	0	8	50	33	8	5.4
Difficulty	0	0	8	41	33	16	0	4.6
Learn Exp	0	0	0	50	25	12	12	4.9

Morris was a very effective instructor who presented the course material clearly. The labs were considered very time consuming and did not entirely correspond to what was being taught in lectures.

### CHM 342H1F Modern Organic Synthesis

Instructor(s): R.A. Batey

	Resp: 44							Retake: 82%
	1	2	3	4	5	6	7	
	1	2	3	4	5	6	7	Mean
Presents	0	2	0	2	13	40	40	6.1
Explains	0	0	4	2	15	38	38	6.0
Communicates	0	0	0	2	13	4.7	36	6.2
Teaching	0	0	0	2	13	47	36	6.2
Workload	0	2	2	0	6	48	39	6.2
Difficulty	0	0	0	11	41	34	11	5.5
Learn Exp	0	0	3	25	3	43	25	5.6

Students really liked the instructor. Batey was knowledgeable and easy to understand. However, some felt that there was too much course material, especially near the end of the course. However, a great course overall.

### CHM 343H1F Organic Synthesis Techniques

Instructor(s): M. Taylor

	Resp: 28							Mean
	1	2	3	4	5	6	7	
Presents	0	0	3	7	14	55	18	5.8
Explains	0	0	3	3	29	40	22	5.7
Communicates	0	0	0	3	18	48	29	6.0
Teaching	0	0	0	0	18	59	22	6.0
Workload	0	0	0	3	33	22	40	6.0
Difficulty	0	0	0	14	40	33	11	5.4
Learn Exp	0	0	0	15	30	35	20	5.6

Students found the course load to be a little too heavy for a half year course. While Taylor was very knowledgeable, and enthusiastic, he lectured very quickly which it hard to follow along. Otherwise, he was a great instructor.

### CHM 347H1F Organic Chemistry of Biological Compounds

Instructor(s): J. Chin

	Resp: 39							Mean
	1	2	3	4	5	6	7	
Presents	0	5	5	18	18	34	18	5.3
Explains	0	5	2	0	28	30	33	5.8
Communicates	0	0	5	5	23	41	25	5.8
Teaching	0	0	2	2	28	39	26	5.8
Workload	2	2	11	61	22	0	0	4.0
Difficulty	2	2	2	65	20	5	0	4.1
Learn Exp	0	0	7	37	18	25	11	5.0

Chin was described as very knowledgeable and approachable but his lecture notes were considered to be a bit disorganized. Students thought that the computational lab could have been better prepared.

### CHM 348H1F Organic Reaction Mechanisms

Instructor(s): R.H. Kluger

	Resp: 18							Mean
	1	2	3	4	5	6	7	
Presents	5	5	11	38	5	22	11	4.4
Explains	0	0	16	27	33	11	11	4.7
Communicates	0	0	0	22	33	33	11	5.3
Teaching	0	5	5	27	33	16	11	4.8
Workload	0	0	0	23	41	35	0	5.1
Difficulty	0	0	0	33	38	22	5	5.0
Learn Exp	0	0	6	26	46	13	6	4.9

Kluger was described as knowledgeable and enthusiastic, but he could have been more organized. The labs were considered time-consuming.

### CHM 379H1S Biomolecular Chemistry

Instructor(s): G.A. Woolley

	Resp: 16							Mean
	1	2	3	4	5	6	7	
Presents	0	0	12	6	50	25	6	5.1
Explains	0	0	13	0	33	40	13	5.4
Communicates	6	0	0	18	31	43	0	5.0
Teaching	0	6	6	0	53	6	15	5.3
Workload	0	6	0	66	20	6	0	4.2
Difficulty	0	6	13	53	24	0	0	4.0
Learn Exp	8	0	0	33	16	33	8	4.8

Woolley was a great lecturer who was attentive to students' questions and clearly explained the material. Students were very pleased with the course overall.

### CHM 414H1S Biosensors and Chemical Sensors

Instructor(s): M. Thompson

	Resp: 16							Mean
	1	2	3	4	5	6	7	
Presents	0	0	0	12	25	43	18	5.7
Explains	0	0	0	0	18	56	25	6.1
Communicates	0	0	0	0	6	37	56	6.5
Teaching	0	0	0	0	18	37	43	6.2
Workload	0	0	25	56	12	6	0	4.0
Difficulty	0	0	12	25	43	18	0	4.7
Learn Exp	0	0	14	42	14	28	0	4.6

Thompson was clear, enthusiastic and helpful. The course material was well-liked and relevant. However, some students wanted more feedback on assignments.

### CHM 415H1S Atmospheric Chemistry

Instructor(s): J. Murphy

	Resp: 41							Mean
	1	2	3	4	5	6	7	
Presents	0	0	7	19	46	24	2	5.0
Explains	2	0	9	19	36	29	2	4.9
Communicates	0	0	2	7	29	41	19	5.7
Teaching	0	0	5	17	37	32	7	5.2
Workload	0	0	4	41	36	14	2	4.7
Difficulty	0	0	7	43	24	19	4	4.7
Learn Exp	0	2	5	37	40	13	0	4.6

### CHM 416H1S Separation Science

Instructor(s): M. Thompson

	Resp: 13							Mean
	1	2	3	4	5	6	7	
Presents	7	0	7	7	15	30	30	5.4
Explains	0	7	0	15	15	30	30	5.5
Communicates	0	0	0	23	7	23	46	5.9
Teaching	7	0	0	15	30	23	23	5.2
Workload	0	7	23	53	7	7	0	3.8
Difficulty	0	0	7	61	23	7	0	4.3
Learn Exp	0	0	7	30	23	38	0	4.9

Students spoke highly of Thompson. They enjoyed how he presented the material. Students wished there was some reference material other than the in-class notes.

### CHM 417H1F Laboratory Instrumentation

Instructor(s): A. Wheeler

	Resp: 8							Mean
	1	2	3	4	5	6	7	
Presents	0	0	0	0	0	25	75	6.8
Explains	0	0	0	0	0	25	75	6.8
Communicates	0	0	0	0	12	12	75	6.6
Teaching	0	0	0	0	0	12	87	6.9
Workload	14	0	28	28	28	0	0	3.6
Difficulty	0	0	14	42	28	0	14	4.6
Learn Exp	0	0	0	0	42	28	28	5.9

### CHM 426H1F Polymer Chemistry

Instructor(s): M.A. Winnik

	Resp: 11							Mean
	1	2	3	4	5	6	7	
Presents	0	9	0	9	27	45	9	5.3
Explains	0	0	0	20	20	30	30	5.7
Communicates	0	0	0	0	18	45	36	6.2
Teaching	0	0	0	0	27	36	36	6.1
Workload	0	0	0	70	30	0	0	4.3
Difficulty	0	0	0	50	40	10	0	4.6
Learn Exp	0	0	0	44	22	33	0	4.9

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### CHM 434H1F Advanced Materials Chemistry

Instructor(s): G. Ozin

Enr: 6	Resp: 11							Retake: 90%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	18	27	36	18	5.5
Explains	0	0	0	0	9	54	36	6.3
Communicates	0	0	0	0	0	18	81	6.8
Teaching	0	0	0	0	9	45	45	6.4
Workload	0	0	0	27	45	18	9	5.1
Difficulty	0	0	0	36	27	27	9	5.1
Learn Exp	0	0	0	0	20	62	20	6.0

Students really liked the course and the instructor.

### CHM 437H1S Bioinorganic Chemistry

Instructor(s): D. Zamble

Enr: 18	Resp: 13							Retake: 41%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	7	38	30	23	5.7
Explains	0	0	0	7	53	7	30	5.6
Communicates	0	0	0	0	46	30	23	5.8
Teaching	0	0	0	7	38	30	23	5.7
Workload	0	0	0	69	15	7	7	4.5
Difficulty	0	0	7	53	30	7	0	4.4
Learn Exp	0	0	0	50	30	20	0	4.7

Students would have preferred an exam in addition to a presentation.

### CHM 440H1F Synthesis of Modern Pharmaceutical Agents

Instructor(s): M. Lautens

Enr: 15	Resp: 16							Retake: 92%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	12	31	18	37	5.8
Explains	0	0	0	6	6	40	46	6.3
Communicates	0	0	0	6	0	43	50	6.4
Teaching	0	0	0	6	12	37	43	6.2
Workload	0	0	0	50	28	14	7	4.8
Difficulty	0	0	0	14	42	21	21	5.5
Learn Exp	0	0	0	0	36	18	45	6.1

### CHM 441H1F Spectroscopic Analysis in Organic Chemistry

Instructor(s): S. Skonieczny

Enr: 11	Resp: 11							Retake: 90%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	0	45	54	6.5
Explains	0	0	0	9	9	27	54	6.3
Communicates	0	0	0	0	0	27	72	6.7
Teaching	0	0	0	0	9	27	63	6.5
Workload	0	0	10	30	30	30	0	4.8
Difficulty	0	0	10	60	30	0	0	4.2
Learn Exp	0	14	28	28	28	0	0	3.7

### CHM 443H1S Physical Organic Chemistry

Instructor(s): A. Dicks

Enr: 8	Resp: 6							Retake: 100%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	16	0	83	6.7
Explains	0	0	0	0	0	16	83	6.8
Communicates	0	0	0	0	0	33	66	6.7
Teaching	0	0	0	0	0	16	83	6.8
Workload	0	0	0	50	33	16	0	4.7
Difficulty	0	0	0	50	33	16	0	4.7
Learn Exp	0	0	0	16	0	66	16	5.8

Students felt Dicks communicated the course material enthusiastically. Students felt that although the evaluations were very fair, the course could have benefitted from more evenly spaced out evaluations.

### CHM 446H1S Organic Materials Chemistry

Instructor(s): D. Seferos

Enr: 9	Resp: 9							Retake: 88%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	22	22	55	0	5.3
Explains	0	0	0	11	33	44	11	5.6
Communicates	0	11	0	0	22	55	11	5.4
Teaching	0	0	0	11	22	66	0	5.6
Workload	0	0	11	66	22	0	0	4.1
Difficulty	0	0	0	44	55	0	0	4.6
Learn Exp	0	0	0	44	44	11	0	4.7

Students found the course material to be useful and interesting.

### CHM 447H1S Bio-Organic Chemistry

Instructor(s): R.H. Kluger

Enr: 20	Resp: 14							Retake: 41%
	1	2	3	4	5	6	7	Mean
Presents	0	0	7	42	7	28	14	5.0
Explains	0	0	0	23	23	15	38	5.7
Communicates	0	0	0	7	15	23	53	6.2
Teaching	0	0	0	14	14	28	42	6.0
Workload	0	0	7	53	23	15	0	4.5
Difficulty	0	0	0	38	38	23	0	4.8
Learn Exp	0	0	0	36	9	54	0	5.2

### CHM 479H1S Biological Chemistry

Instructor(s): D. Zamble, M. Nitz

Enr: 22	Resp: 15							Retake: 36%
	1	2	3	4	5	6	7	Mean
<u>Zamble:</u>								
Presents	0	0	0	6	26	53	13	5.7
Explains	0	0	6	0	33	33	26	5.7
Communicates	0	0	0	13	13	40	13	5.9
Teaching	0	0	0	20	6	33	40	5.9
<u>Nitz:</u>								
Presents	0	0	0	6	13	66	13	5.9
Explains	0	0	0	13	20	46	20	5.7
Communicates	0	0	0	13	13	46	26	5.9
Teaching	0	0	0	20	0	46	33	5.9
<u>Course:</u>								
Workload	0	6	6	53	26	6	0	4.2
Difficulty	0	6	6	26	46	13	0	4.5
Learn Exp	0	0	8	58	0	16	16	4.8

