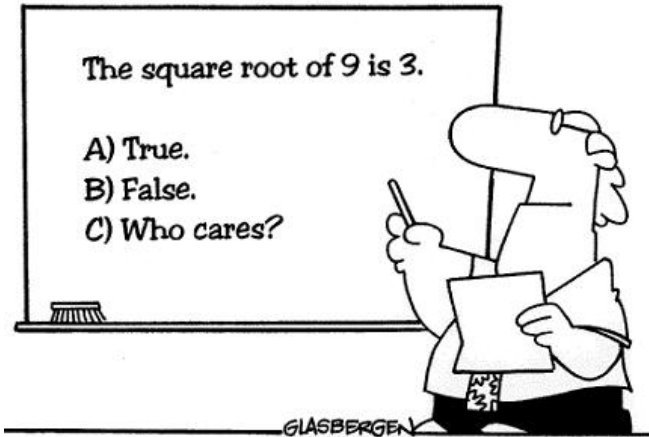


Mathematics Unions



Many students actually look forward to Mr. Atwadder's math tests.

Introduction

The Mathematics Union (MU) represents the interests of, organizes events for, and generally works to improve the experience of all undergraduates enrolled in a program or course offered by the Department of Mathematics.

MU Executive

APM 236H1F Applications of Linear Programming

Instructor(s): P. Kergin

	Enr: 93							Mean
	1	2	3	4	5	6	7	
Presents	3	0	0	3	16	41	35	6.0
Explains	3	0	0	3	12	51	29	5.9
Communicates	6	0	0	3	16	45	29	5.7
Teaching	6	0	0	0	19	38	35	5.8
Workload	6	17	34	37	0	0	3	3.2
Difficulty	10	17	27	37	3	3	0	3.2
Learn Exp	7	0	7	33	29	11	11	4.6

Students found the instructor to be knowledgeable, clear, organized and approachable. However, several students would have appreciated a faster pace during lectures.

APM 236H1S Applications of Linear Programming

Instructor(s): S. Homayouni-Borojani

	Enr: 34							Mean
	1	2	3	4	5	6	7	
Presents	0	0	9	23	19	28	19	5.2
Explains	0	4	4	19	14	33	23	5.4
Communicates	0	0	14	9	23	23	28	5.4
Teaching	0	0	9	1	23	23	28	5.5
Workload	0	5	5	35	30	20	5	4.7
Difficulty	0	4	4	42	19	23	4	4.7
Learn Exp	6	12	0	25	12	25	18	4.8

The lecturer was approachable and friendly. He could have been a bit more organized. Students found the textbook unhelpful.

APM 346H1F Partial Differential Equations

Instructor(s): M. Chugunova

	Enr: 76							Mean
	1	2	3	4	5	6	7	
Presents	0	2	12	16	26	18	26	5.2
Explains	2	2	6	20	20	30	20	5.2
Communicates	0	0	0	5	19	37	37	6.1

Teaching	1	0	3	11	21	41	19	5.5
Workload	0	0	2	38	26	18	16	5.1
Difficulty	0	0	0	36	24	26	14	5.2
Learn Exp	2	2	2	43	23	23	2	4.6

Chugunova always answered students' questions both in class and during office hours. Students enjoyed her teaching.

APM 351Y1Y Partial Differential Equations

Instructor(s): A. Burchard

	Enr: 23							Mean
	1	2	3	4	5	6	7	
Presents	0	0	0	18	63	18	0	5.0
Explains	0	0	0	9	45	36	9	5.5
Communicates	0	0	0	0	0	27	72	6.7
Teaching	0	0	0	0	18	63	18	6.0
Workload	0	0	0	72	27	0	0	4.3
Difficulty	0	0	27	36	27	9	0	4.2
Learn Exp	0	0	0	18	45	36	0	5.2

Although some felt that Burchard was a bit disorganized and went a little fast in lectures, students said she was an enthusiastic lecturer who was approachable and helpful.

APM 426H1S General Relativity

Instructor(s): R. Jerarrd

	Enr: 12							Mean
	1	2	3	4	5	6	7	
Presents	0	0	0	9	36	27	27	5.7
Explains	0	0	9	0	27	36	27	5.7
Communicates	0	0	0	0	36	18	45	6.1
Teaching	0	0	0	0	36	27	36	6.0
Workload	0	0	9	45	18	9	18	4.8
Difficulty	0	0	9	36	27	0	27	5.0
Learn Exp	0	0	12	37	0	25	25	5.1

While difficult, the course material was interesting.

APM 462H1S Nonlinear Optimization

Instructor(s): N. Derzko

	Enr: 74							Mean
	1	2	3	4	5	6	7	
Presents	0	0	4	36	36	4	18	5.0
Explains	0	0	4	18	40	13	22	5.3
Communicates	0	0	0	18	40	18	22	5.5
Teaching	0	0	4	18	27	31	18	5.4
Workload	0	0	4	59	18	13	4	4.5
Difficulty	0	0	0	40	36	13	9	4.9
Learn Exp	0	0	14	57	14	7	7	4.4

APM 466H1S Mathematical Theory of Finance

Instructor(s): L. Seco

	Enr: 47							Mean
	1	2	3	4	5	6	7	
Presents	0	0	4	25	33	33	4	5.1
Explains	0	0	8	4	37	25	25	5.5
Communicates	0	0	0	8	20	33	37	6.0
Teaching	0	0	8	8	41	25	16	5.3
Workload	0	0	21	65	13	0	0	3.9
Difficulty	0	0	13	56	26	4	0	4.2
Learn Exp	0	6	0	25	37	18	12	5.0

A few students indicated that they found the instructor's use of examples and presentation of material valuable. Some students indicated that they could have been better prepared for evaluation; for example, through drawing upon additional preparation material or a textbook.

## 134 MATHEMATICS

### MAT 123H1S Calculus and Linear Algebra for Commerce

Instructor(s): P. Kergin

	Enr: 37							Mean
	Resp: 19 Retake: 44%							
	1	2	3	4	5	6	7	
Presents	0	5	5	47	12	31	0	4.6
Explains	0	11	5	44	22	16	0	4.3
Communicates	0	5	11	38	27	16	0	4.4
Teaching	0	0	5	27	33	22	11	5.1
Workload	0	0	11	72	11	5	0	4.1
Difficulty	0	0	5	22	33	27	11	5.2
Learn Exp	0	13	13	46	13	13	0	4.0

### MAT 125H1S Calculus I (A)

Instructor(s): A. Lam

	Enr: 46							Mean
	Resp: 17 Retake: 66%							
	1	2	3	4	5	6	7	
Presents	0	0	0	0	5	23	70	6.6
Explains	0	0	0	5	11	11	70	6.5
Communicates	0	0	0	0	11	11	70	6.5
Teaching	0	0	0	0	5	29	64	6.6
Workload	0	0	5	47	23	11	11	4.8
Difficulty	0	0	0	41	29	11	17	5.1
Learn Exp	0	0	9	27	36	0	27	5.1

Students thought that Lam was "amazing". He was very conscientious, and enthusiastic about teaching. He communicated material very clearly.

### MAT 133Y1Y Calculus and Linear Algebra for Commerce

Instructor(s): J. Tate

	Enr: 160							Mean
	Resp: 107 Retake: 59%							
	1	2	3	4	5	6	7	
Presents	0	0	0	0	0	31	66	6.6
Explains	0	0	0	0	3	24	71	6.7
Communicates	0	0	0	1	10	31	56	6.4
Teaching	0	0	0	0	0	24	71	6.7
Workload	0	1	8	36	24	15	12	4.8
Difficulty	0	4	7	41	19	12	13	4.6
Learn Exp	0	2	4	31	24	20	16	5.0

Many students remarked that Tate was a great teacher. They said that she explained and presented course material clearly and effectively. Her use of examples to elaborate concepts was highly appreciated. Students thought she was friendly, approachable and were happy to be able to ask her questions during lectures. There was mention that using past tests was more effective preparation for tests than using textbook questions.

Instructor(s): J. Tate

	Enr: 136							Mean
	Resp: 159 Retake: 65%							
	1	2	3	4	5	6	7	
Presents	0	0	1	1	1	12	82	6.7
Explains	0	1	0	0	5	14	78	6.7
Communicates	0	0	0	1	10	22	64	6.5
Teaching	0	0	1	0	3	17	77	6.7
Workload	1	3	0	48	27	12	5	4.6
Difficulty	1	3	10	43	25	12	1	4.3
Learn Exp	0	2	2	28	21	31	13	5.2

Instructor(s): A. Igelfeld

	Enr: 112							Mean
	Resp: 38 Retake: 62%							
	1	2	3	4	5	6	7	
Presents	0	0	5	21	28	23	21	5.3
Explains	0	7	2	21	21	26	21	5.2
Communicates	0	0	5	5	27	41	19	5.6
Teaching	0	2	0	2	21	43	29	5.9
Workload	2	8	2	50	20	8	5	4.3
Difficulty	0	8	14	36	17	14	8	4.4
Learn Exp	4	0	0	56	17	17	4	4.5

Instructor(s): A. Igelfeld

	Enr: 173							Mean
	Resp: 69 Retake: 68%							
	1	2	3	4	5	6	7	
Presents	1	0	5	17	15	33	26	5.5
Explains	0	0	7	15	13	34	28	5.6
Communicates	0	0	2	4	14	40	37	6.1
Teaching	0	0	1	10	15	33	39	6.0
Workload	0	6	6	45	20	18	3	4.5
Difficulty	0	1	9	49	18	13	7	4.6
Learn Exp	0	1	0	42	18	24	12	5.0

Students found Igelfeld to be a knowledgeable instructor who was kind, helpful and approachable. He was also enthusiastic. Students expressed overall disappointment with evaluation methods in the course and the tutorials.

Instructor(s): T. Bloom

	Enr: 184							Mean
	Resp: 54 Retake: 53%							
	1	2	3	4	5	6	7	
Presents	0	1	5	18	22	27	24	5.4
Explains	0	0	3	11	27	38	18	5.6
Communicates	0	5	1	31	18	22	20	5.1
Teaching	0	0	1	12	20	27	37	5.9
Workload	1	3	5	51	13	17	5	4.5
Difficulty	1	3	5	24	15	11	7	4.4
Learn Exp	2	4	4	29	24	14	19	4.9

Instructor(s): P. Kergin

	Enr: 145							Mean
	Resp: 25 Retake: 54%							
	1	2	3	4	5	6	7	
Presents	0	0	8	25	25	16	25	5.2
Explains	0	4	0	33	29	8	25	5.1
Communicates	0	4	16	33	16	20	8	4.6
Teaching	0	0	16	12	29	20	20	5.2
Workload	0	0	12	41	25	12	8	4.6
Difficulty	0	0	12	40	16	32	0	4.7
Learn Exp	0	0	10	36	36	15	0	4.6

### MAT 135Y1Y Calculus I

Instructor(s): E. LeBlanc

	Enr: 148							Mean
	Resp: 43 Retake: 57%							
	1	2	3	4	5	6	7	
Presents	0	0	0	4	7	26	60	6.4
Explains	0	0	0	0	13	34	51	6.4
Communicates	0	0	4	11	27	30	25	5.6
Teaching	0	0	0	0	18	37	44	6.3
Workload	0	0	4	32	32	25	4	4.9
Difficulty	0	0	9	20	32	23	13	5.1
Learn Exp	0	2	0	42	23	18	13	4.9

Many students said the instructor was great and praised his effectiveness in explaining concepts clearly with examples. He was described as helpful by a few students. Some students noted that they appreciated him answering questions during lectures. A few students indicated that the course material and tests were difficult.

Instructor(s): A. Lam

	Enr: 178							Mean
	Resp: 142 Retake: 64%							
	1	2	3	4	5	6	7	
Presents	0	0	0	0	4	14	80	6.7
Explains	0	0	0	0	3	14	80	6.7
Communicates	0	0	0	0	2	10	86	6.8
Teaching	0	0	1	0	0	17	78	6.7
Workload	0	0	2	40	29	16	10	4.9
Difficulty	0	0	2	31	34	17	13	5.0
Learn Exp	1	0	1	19	16	32	25	5.5

An overwhelming number of students described the instructor as enthusiastic, humorous and an effective teacher. They indicated he was great communicator who presented concepts clearly. Many students enjoyed the course and found the instructor knowledgeable. Some students complained that the test questions were too difficult, and practice from the textbook questions was not a good preparation for it. A number of students indicated that their seats in class were taken by unregistered students, who often made the class fill up over capacity.

Instructor(s): A. Lam

	Enr: 188							Mean
	1	2	3	4	5	6	7	
Presents	0	0	0	0	2	15	80	6.8
Explains	0	0	0	0	5	9	84	6.8
Communicates	0	0	0	0	2	8	89	6.9
Teaching	0	0	0	0	3	13	82	6.8
Workload	0	1	4	44	26	15	7	4.7
Difficulty	0	0	3	39	22	27	6	4.9
Learn Exp	0	0	0	18	24	24	31	5.7

Students said Lam was "awesome", "excellent", and "amazing". They loved his humour and his ability to make the learning of concepts fun. Some students said that the material covered in the lectures did not prepare them for the much harder tests.

Instructor(s): M. Czubak

	Enr: 175							Mean
	1	2	3	4	5	6	7	
Presents	0	0	2	10	22	38	28	5.8
Explains	0	0	1	5	21	41	29	5.9
Communicates	0	0	0	3	25	29	41	6.1
Teaching	0	0	0	5	17	37	39	6.1
Workload	0	1	1	41	25	25	3	4.8
Difficulty	0	0	1	23	39	29	5	5.1
Learn Exp	4	2	0	35	26	23	7	4.8

Generally students thought Czubak did a great job.

Instructor(s): B. Rowe

	Enr: 183							Mean
	1	2	3	4	5	6	7	
Presents	5	16	5	11	38	16	5	4.3
Explains	0	16	16	27	22	16	0	4.1
Communicates	11	0	33	16	22	11	5	3.9
Teaching	5	11	33	11	16	16	5	3.9
Workload	0	0	0	33	55	11	0	4.8
Difficulty	0	0	0	44	33	22	0	4.8
Learn Exp	0	0	12	43	25	12	6	4.6

Students felt Rowe could have been more engaging in his presentation. A few suggested he use the blackboard instead of overheads and improve his handwriting.

Instructor(s): A. del Junco

	Enr: 254							Mean
	1	2	3	4	5	6	7	
Presents	0	9	20	33	19	12	3	4.1
Explains	1	9	16	14	32	22	3	4.5
Communicates	1	8	16	32	25	16	0	4.2
Teaching	3	4	17	27	20	20	4	4.4
Workload	0	4	1	55	20	14	3	4.5
Difficulty	1	0	6	42	23	22	3	4.7
Learn Exp	2	2	9	48	19	6	2	4.1

Students found this to be a challenging course. Some students said del Junco seemed disorganized and not always prepared.

Instructor(s): H. Parlier

	Enr: 171							Mean
	1	2	3	4	5	6	7	
Presents	0	1	1	12	13	41	30	5.8
Explains	0	1	2	16	16	34	2	5.7
Communicates	0	0	0	5	14	34	45	6.2
Teaching	0	0	2	8	19	38	31	5.9
Workload	0	1	1	52	29	8	6	4.6
Difficulty	0	0	0	49	25	17	8	4.8
Learn Exp	01	1	5	53	19	7	10	4.5

Parlier made lectures fun and students enjoyed his sense of humour during the lectures. His teaching was clear, concise and tried to make the course interesting.

Instructor(s): E. LeBlanc

	Enr: 142							Mean
	1	2	3	4	5	6	7	
Presents	0	0	0	1	3	26	67	6.6
Explains	0	0	1	1	1	30	64	6.5
Communicates	0	1	0	0	1	32	64	6.5
Teaching	0	0	1	1	0	23	73	6.6
Workload	0	0	9	37	20	26	5	4.8
Difficulty	0	0	7	28	20	32	11	5.1
Learn Exp	0	4	2	32	25	16	18	5.0

Students felt that LeBlanc did an excellent job with this course. He explained concepts clearly with enthusiasm, and in an organized manner. He supplemented his lectures with many examples, jokes and tidbits of math history which were all appreciated.

**MAT 137Y1Y Calculus!**

Instructor(s): E. Milman

	Enr: 87							Mean
	1	2	3	4	5	6	7	
Presents	0	0	8	4	20	33	33	5.8
Explains	0	0	4	12	20	33	29	5.7
Communicates	0	0	0	20	20	29	29	5.7
Teaching	0	0	0	8	29	29	33	5.9
Workload	0	0	0	20	20	45	12	5.5
Difficulty	0	0	8	12	20	37	20	5.5
Learn Exp	0	0	15	30	25	15	15	4.8

Instructor(s): S. Uppal

	Enr: 133							Mean
	1	2	3	4	5	6	7	
Presents	0	0	1	3	13	37	43	6.2
Explains	0	0	1	4	12	39	42	6.2
Communicates	0	1	0	1	17	40	40	6.2
Teaching	0	0	0	2	10	39	48	6.3
Workload	0	1	1	25	21	33	17	5.4
Difficulty	0	1	1	19	17	36	24	5.6
Learn Exp	3	0	9	24	33	18	10	4.8

Students found the course difficult. Some students said it would be beneficial to have problem sets assigned a little earlier before the submission deadline, and also asked that marked assignments be given back sooner. Students found the tests challenging.

However, Uppal was lauded by most students as a great math teacher. He was passionate about the subject matter and presented the concepts with enthusiasm and clarity. Students always found him organized and well-prepared for lectures.

Instructor(s): E. Meinrenken

	Enr: 89							Mean
	1	2	3	4	5	6	7	
Presents	0	0	2	5	18	48	24	5.9

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Explains	0	2	0	13	21	29	32	5.7
Communicates	0	0	5	5	16	33	38	5.9
Teaching	0	2	0	5	18	51	21	5.8
Workload	0	2	0	18	27	43	8	5.3
Difficulty	0	0	2	10	16	35	32	5.7
Learn Exp	9	0	3	16	19	45	6	5.0

Students appreciated Meinrenken's teaching style - clear, interesting and good.

A few students mentioned problems with the course itself where assignments were posted late and marking was slow.

Instructor(s): F. Ziltener

Enr: 65	Resp: 12							Retake: 58%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	8	16	58	16	5.8
Explains	0	0	0	8	25	50	16	5.8
Communicates	0	0	0	0	0	75	25	6.2
Teaching	0	0	0	8	8	66	16	5.9
Workload	0	8	0	33	16	25	16	5.0
Difficulty	0	0	0	33	0	66	0	5.3
Learn Exp	0	0	9	27	45	18	11	5.7

### MAT 157Y1Y Analysis I

Instructor(s): R. Rotman

Enr: 88	Resp: 40							Retake: 81%
	1	2	3	4	5	6	7	Mean
Presents	0	0	5	10	17	30	37	5.8
Explains	0	2	5	7	27	22	35	5.7
Communicates	2	2	0	20	12	37	25	5.5
Teaching	0	0	2	7	15	37	37	6.0
Workload	0	2	10	43	33	10	0	4.4
Difficulty	0	0	7	25	15	30	20	5.3
Learn Exp	0	0	0	18	21	27	33	5.8

Some students remarked that the instructor was great and effective at teaching the course material. A few students indicated that they needed more background on the initial topics covered in the course, so they could successfully transition from content covered in their high school to this course.

### MAT 223H1F Linear Algebra I

Instructor(s): S. Uppal

Enr: 127	Resp: 114							Retake: 69%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	2	7	40	48	6.3
Explains	0	0	1	2	16	31	46	6.2
Communicates	0	0	0	6	17	30	43	6.1
Teaching	0	0	0	0	7	36	55	6.5
Workload	1	1	5	51	15	22	2	4.5
Difficulty	0	1	6	33	31	17	7	4.8
Learn Exp	2	3	5	24	24	29	10	5.0

A number of students commented that the instructor was the best to have taught them so far, Students appreciated the instructor's clear and organized explanations and examples, enthusiastic lecturing and encouragement of questions and class participation. Some students found the pace rather fast.

Several students requested that there be more homework assignments and/or quizzes and some complained that the tutorials were not very useful. Sue to the attendance of students from other sections of the course, seating was often insufficient.

Instructor(s): S. Kudla

Enr: 171	Resp: 44							Retake: 56%
	1	2	3	4	5	6	7	Mean
Presents	0	0	2	20	20	37	18	5.5
Explains	0	0	2	13	20	29	34	5.8

Communicates	0	0	0	11	22	29	36	5.9
Teaching	0	0	0	9	16	40	33	6.0
Workload	2	2	4	34	36	15	4	4.7
Difficulty	0	2	11	34	31	15	4	4.6
Learn Exp	0	0	0	32	35	18	13	5.1

Many students appreciated Kudla's clear presentation of the course material.

Instructor(s): H. Kim

Enr: 181	Resp: 29							Retake: 66%
	1	2	3	4	5	6	7	Mean
Presents	4	0	4	24	52	8	8	4.8
Explains	3	3	11	11	38	19	11	4.8
Communicates	7	3	0	30	26	23	7	4.7
Teaching	3	0	7	11	40	29	7	5.0
Workload	4	0	20	36	32	8	0	4.2
Difficulty	0	0	3	30	42	23	0	4.8
Learn Exp	0	5	0	50	27	16	0	4.5

Instructor(s): F. Murnaghan

Enr: 185	Resp: 48							Retake: 60%
	1	2	3	4	5	6	7	Mean
Presents	0	0	4	14	21	29	29	5.7
Explains	0	0	2	12	33	22	29	5.6
Communicates	2	0	14	6	23	31	21	5.3
Teaching	0	0	4	8	33	27	27	5.6
Workload	4	6	13	39	17	15	4	4.2
Difficulty	4	4	12	31	31	12	2	4.3
Learn Exp	0	5	10	42	15	15	12	4.6

Murnaghan was very approachable for questions and concerns, however some students felt that the course moved quickly and her voice was a bit hard to hear.

### MAT 223H1S Linear Algebra I

Instructor(s): S. Kudla

Enr: 157	Resp: 22							Retake: 60%
	1	2	3	4	5	6	7	Mean
Presents	0	0	4	4	40	40	9	5.5
Explains	0	0	0	4	33	47	14	5.7
Communicates	0	0	0	4	18	63	13	5.9
Teaching	0	0	0	0	35	50	15	5.8
Workload	0	0	0	54	22	18	4	4.7
Difficulty	0	0	0	36	31	27	4	5.0
Learn Exp	5	5	5	47	15	21	0	4.3

Instructor(s): S. Uppal

Enr: 123	Resp: 97							Retake: 62%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	9	37	53	6.4
Explains	1	0	0	2	14	34	47	6.2
Communicates	0	0	0	4	17	38	39	6.1
Teaching	0	0	0	3	10	30	55	6.4
Workload	0	4	5	40	27	17	4	4.6
Difficulty	1	3	1	35	35	13	9	4.8
Learn Exp	0	1	1	32	36	18	9	5.0

Students said Uppal was an effective lecturer and course coordinator. He was organized and explained concepts clearly in class. Some students said he was one of the most enthusiastic math teachers they have ever had.

However, students seemed generally unhappy with tutorials and also had some complaints about evaluation methods and fairness in marking.

**MAT 224H1F Linear Algebra II**

Instructor(s): S. Uppal

	Enr: 85							Mean
	1	2	3	4	5	6	7	
Presents	0	0	2	0	9	27	60	6.4
Explains	0	2	4	4	27	20	40	5.8
Communicates	2	2	0	4	16	40	33	5.9
Teaching	0	0	2	4	18	30	44	6.1
Workload	4	0	2	38	23	23	7	4.8
Difficulty	2	2	0	25	32	27	9	5.0
Learn Exp	2	0	8	29	17	32	8	4.9

Students commented that they appreciated Uppal's organization of the course, his responsiveness to in-class questions and that he communicated the material clearly.

A number of students complained about the textbook used for the course.

**MAT 224H1S Linear Algebra II**

Instructor(s): M. Mazin

	Enr: 119							Mean
	1	2	3	4	5	6	7	
Presents	0	0	9	27	27	18	18	5.1
Explains	8	0	8	8	41	16	16	4.9
Communicates	0	8	8	25	25	16	16	4.8
Teaching	0	8	0	16	41	16	16	5.1
Workload	0	0	0	41	33	16	8	4.9
Difficulty	0	0	0	33	8	50	8	5.3
Learn Exp	0	0	10	20	20	30	20	5.3

Instructor(s): S. Uppal

	Enr: 150							Mean
	1	2	3	4	5	6	7	
Presents	0	0	0	6	18	28	46	6.2
Explains	0	0	1	6	21	23	47	6.1
Communicates	0	0	0	15	23	13	41	5.9
Teaching	0	0	0	7	15	27	50	6.2
Workload	1	3	9	37	21	21	6	4.6
Difficulty	1	0	7	25	31	21	12	5.0
Learn Exp	0	1	1	29	28	17	21	5.2

Students really enjoyed having Uppal as their instructor. Uppal's class was organized with clear, well-communicated lectures. The material was explained very well and students appreciated his class notes.

Some students did ask for more examples with solutions and also suggested using a better textbook.

**MAT 235Y1Y Calculus II**

Instructor(s): L. Leung

	Enr: 86							Mean
	1	2	3	4	5	6	7	
Presents	0	0	0	27	33	27	11	5.2
Explains	0	5	0	22	27	22	22	5.3
Communicates	0	0	10	47	5	21	15	4.8
Teaching	0	0	0	21	36	31	10	5.3
Workload	5	0	5	57	5	21	5	4.4
Difficulty	5	5	0	21	31	21	15	4.9
Learn Exp	7	7	7	30	46	0	0	4.0

Some students indicated that the tests and problem sets were extremely difficult. There was mention of more time needed to complete the test. A few students indicated that the instructor's teaching style improved over time.

Instructor(s): Y. Sakellaris

	Enr: 124				Resp: 49			Retake: 43%		Mean
	1	2	3	4	5	6	7			
Presents	6	2	10	25	29	22	4		4.5	
Explains	4	10	10	20	27	14	12		4.5	
Communicates	4	2	2	12	31	20	27		5.4	
Teaching	8	2	12	12	22	34	8		4.8	
Workload	0	0	2	22	35	27	12		5.2	
Difficulty	0	0	0	6	34	34	25		5.8	
Learn Exp	8	8	13	30	25	8	5		4.0	

Students agreed that the term tests were very difficult and that they did not have the proper preparation to write them. The sample questions given were a lot easier than the test questions. The problem sets were hard and time consuming.

While, Sakellaris was said to be nice, enthusiastic and helpful, students were disappointed that his classes did not teach them what they needed to know to do well on the tests.

**MAT 237Y1Y Multivariable Calculus**

Instructor(s): R. Stanczak

	Enr: 52				Resp: 30			Retake: 14%		Mean
	1	2	3	4	5	6	7			
Presents	3	0	0	37	24	20	13		5.0	
Explains	3	0	6	24	34	17	13		4.9	
Communicates	3	0	13	34	6	20	20		4.9	
Teaching	3	3	3	26	23	23	16		5.0	
Workload	3	0	0	7	14	25	50		6.0	
Difficulty	3	0	0	0	10	14	71		6.4	
Learn Exp	15	11	7	26	23	11	3		3.8	

Students agreed that the textbook was difficult to read and not useful at all. Students also found the course tough. Students enjoyed Stanczak's sense of humour.

Instructor(s): R. Stanczak

	Enr: 87							Mean
	1	2	3	4	5	6	7	
Presents	0	0	2	17	22	25	31	5.7
Explains	0	2	0	8	31	28	28	5.7
Communicates	2	0	0	17	31	22	25	5.5
Teaching	0	0	2	8	37	28	22	5.6
Workload	0	0	0	15	21	46	15	5.6
Difficulty	0	0	0	3	15	23	48	6.3
Learn Exp	0	4	0	37	16	25	16	5.1

Students found the course and the tests quite difficult. Few students suggested that a tutorial be added to the course.

Instructor(s): I. Graham

	Enr: 59							Mean
	1	2	3	4	5	6	7	
Presents	0	0	0	0	0	28	71	6.7
Explains	0	0	0	0	28	0	71	6.4
Communicates	0	0	0	14	28	0	57	6.0
Teaching	0	0	0	0	14	14	71	6.6
Workload	0	0	0	0	14	42	42	6.3
Difficulty	0	0	0	0	0	28	71	6.7
Learn Exp	0	28	0	0	28	14	28	4.9

**MAT 240H1F Algebra I**

Instructor(s): D. Bar-Natan

	Enr: 112							Mean
	1	2	3	4	5	6	7	
Presents	0	0	1	11	11	32	42	6.0
Explains	0	0	0	8	9	26	55	6.3
Communicates	0	0	0	3	1	10	85	6.8



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Teaching	0	0	0	3	8	35	53	6.4
Workload	0	0	3	63	18	5	10	4.6
Difficulty	0	0	0	40	20	23	15	5.1
Learn Exp	0	0	0	16	21	21	41	5.9

Students had very high praise for Bar-Natan and commented that his enthusiasm for mathematics was inspirational. Students also commented that he was very professional and appreciated his real world explanations.

### MAT 244H1F Introduction to Ordinary Differential Equations

Instructor(s): D. Raghavan

Enr: 90	Resp: 34						Retake: 75%	
	1	2	3	4	5	6	7	Mean
Presents	2	5	2	8	29	32	17	5.2
Explains	0	0	5	5	20	50	17	5.7
Communicates	0	5	0	8	26	44	14	5.5
Teaching	0	2	0	8	29	44	14	5.6
Workload	0	5	2	55	26	8	0	4.3
Difficulty	0	8	17	64	5	2	0	3.8
Learn Exp	3	0	10	39	25	21	0	4.5

Raghavan was clear and approachable but students felt that lectures could have been more organized, the course more structured and time used more efficiently.

Instructor(s): T. Oh

Enr: 92	Resp: 41						Retake: 81%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	4	29	39	26	5.9
Explains	0	0	0	12	14	46	26	5.9
Communicates	0	0	2	17	10	45	25	5.7
Teaching	0	0	0	4	36	36	21	5.8
Workload	0	0	5	53	35	5	0	4.4
Difficulty	0	0	15	64	15	5	0	4.1
Learn Exp	0	0	0	46	32	7	14	4.9

Students were pleased with the instructor's teaching.

### MAT 244H1S Introduction to Ordinary Differential Equations

Instructor(s): V. Ivrii

Enr: 48	Resp: 23						Retake: 93%	
	1	2	3	4	5	6	7	Mean
Presents	9	4	18	18	18	18	13	4.4
Explains	9	9	0	31	13	18	18	4.6
Communicates	4	4	0	17	17	34	21	5.3
Teaching	4	4	0	36	22	18	13	4.8
Workload	10	0	10	45	25	5	5	4.1
Difficulty	5	5	10	45	30	5	0	4.1
Learn Exp	5	0	5	47	35	5	0	4.2

### MAT 246H1S Concepts in Abstract Mathematics

Instructor(s): P. Rosenthal

Enr: 84	Resp: 54						Retake: 78%	
	1	2	3	4	5	6	7	Mean
Presents	0	1	3	11	24	29	29	5.6
Explains	0	0	0	7	20	44	27	5.9
Communicates	0	0	0	5	15	35	43	6.2
Teaching	0	0	0	5	17	36	40	6.1
Workload	1	2	14	61	16	0	0	3.9
Difficulty	0	5	11	64	11	5	1	4.1
Learn Exp	2	2	2	38	21	23	9	4.8

Rosenthal was praised for his ability to communicate the material in a clear fashion and for making the course enjoyable. Overall, a good, approachable instructor.

Instructor(s): F. Murnaghan

Enr: 55	Resp: 32						Retake: 82%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	12	32	32	22	5.6
Explains	0	0	0	12	25	35	25	5.7
Communicates	0	0	3	6	32	32	25	5.7
Teaching	0	0	0	6	19	58	16	5.8
Workload	0	20	10	50	13	3	3	3.8
Difficulty	0	10	13	51	24	0	0	3.9
Learn Exp	0	0	4	37	20	25	12	5.0

Murnaghan was deemed a good instructor who explained concepts clearly.

### MAT 271H1F Insights from Mathematics

Instructor(s): J. Repka

Enr: 28	Resp: 18						Retake: 88%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	5	27	38	27	5.9
Explains	0	0	0	0	27	44	27	6.0
Communicates	0	0	0	5	38	33	22	5.7
Teaching	0	0	0	0	22	44	33	6.1
Workload	5	5	22	61	5	0	0	3.6
Difficulty	5	5	27	55	5	0	0	3.5
Learn Exp	0	0	0	46	30	15	7	4.8

Students really enjoyed the material of the course.

### MAT 301H1F Groups and Symmetries

Instructor(s): J. Lorimer

Enr: 58	Resp: 39						Retake: 55%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	7	23	35	33	5.9
Explains	0	0	2	5	31	36	23	5.7
Communicates	0	0	0	7	21	28	42	6.1
Teaching	0	0	0	7	18	44	28	5.9
Workload	0	0	21	47	15	15	0	4.3
Difficulty	0	5	13	47	18	13	2	4.3
Learn Exp	3	3	9	22	32	25	3	4.7

Lorimer delivered a well-structured and well-paced course.

### MAT 301H1S Groups and Symmetries

Instructor(s): F. Murnaghan

Enr: 35	Resp: 14						Retake: 78%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	15	7	23	38	15	5.3
Explains	0	0	0	14	27	35	28	5.8
Communicates	0	0	0	7	21	50	21	5.9
Teaching	0	0	0	7	7	50	35	6.1
Workload	0	0	7	42	28	7	14	4.8
Difficulty	0	7	7	42	21	7	14	4.6
Learn Exp	0	0	7	42	35	14	0	4.6

The material was difficult and fast-paced. Students enjoyed having Murnaghan as a lecturer, and felt that she did a good job. While students said that she could be a little more organized while writing on the blackboard, they found her well prepared and fair.

### MAT 309H1F Introduction to Mathematical Logic

Instructor(s): F. Tall

Enr: 54	Resp: 31						Retake: 51%	
	1	2	3	4	5	6	7	Mean
Presents	3	6	9	19	29	25	6	4.7
Explains	13	3	6	26	26	20	3	4.2
Communicates	0	0	0	19	35	16	26	5.5
Teaching	3	3	6	16	26	33	10	5.0

Workload	0	3	9	41	25	16	3	4.5
Difficulty	0	0	6	19	22	38	12	5.3
Learn Exp	4	0	4	47	30	4	8	4.5

**MAT 327H1F Introduction to Topology**

Instructor(s): S. Arkhipov

Enr: 41                      Resp: 22                      Retake: 90%

	1	2	3	4	5	6	7	Mean
Presents	0	4	0	18	22	9	45	5.7
Explains	0	0	4	22	18	4	50	5.7
Communicates	0	0	4	9	13	18	54	6.1
Teaching	0	0	9	13	18	9	50	5.8
Workload	0	4	0	31	27	22	13	5.0
Difficulty	0	4	0	22	27	27	18	5.3
Learn Exp	0	0	5	11	27	16	38	5.7

Students enjoyed Arkhipov's enthusiasm and lecture style. It was felt that the course could have been better in terms of assignments.

**MAT 329Y1Y Concepts in Elementary Mathematics**

Instructor(s): S. Cohen

Enr: 25                      Resp: 16                      Retake: 62%

	1	2	3	4	5	6	7	Mean
Presents	0	6	12	18	31	25	25	4.8
Explains	0	6	6	6	31	25	25	5.4
Communicates	0	0	6	12	6	25	50	6.0
Teaching	6	0	6	12	31	12	31	5.2
Workload	6	18	12	37	6	12	6	3.8
Difficulty	0	31	18	18	72	18	0	3.7
Learn Exp	15	0	15	7	15	7	38	4.8

Students enjoyed the course and the material. Cohen was well-liked by students as an effective university lecturer. He was nice and approachable. However, a few students found that the course description was not exactly reflective of the material taught in class.

**MAT 334H1F Complex Variables**

Instructor(s): H. Kim

Enr: 65                      Resp: 38                      Retake: 41%

	1	2	3	4	5	6	7	Mean
Presents	2	5	21	29	13	16	10	4.4
Explains	2	5	29	24	13	13	10	4.2
Communicates	2	0	5	40	21	16	13	4.8
Teaching	0	5	8	35	18	18	13	4.8
Workload	0	0	2	45	29	18	2	4.7
Difficulty	0	0	5	30	33	13	16	5.1
Learn Exp	0	0	16	66	0	16	0	4.2

Kim was praised for his enthusiasm for the course material and for helping students. However, students felt that course moved very quickly.

**MAT 334H1S Complex Variables**

Instructor(s): T. Bloom

Enr: 52                      Resp: 25                      Retake: 54%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	28	32	36	4	5.2
Explains	0	0	0	24	20	40	16	5.5
Communicates	0	0	8	24	36	32	0	4.9
Teaching	0	0	0	16	28	40	16	5.6
Workload	0	0	16	56	20	8	0	4.2
Difficulty	0	0	12	32	32	24	0	4.7
Learn Exp	0	0	0	44	16	38	0	4.9

**MAT 337H1S Introduction to Real Analysis**

Instructor(s): A. del Junco

Enr: 61                      Resp: 39                      Retake: 61%

	1	2	3	4	5	6	7	Mean
Presents	0	0	5	26	26	34	7	5.1
Explains	0	2	5	23	25	28	15	5.2
Communicates	0	2	5	15	34	31	10	5.2
Teaching	0	0	0	23	30	30	15	5.4
Workload	0	0	0	25	38	25	10	5.2
Difficulty	0	0	0	20	25	33	20	5.5
Learn Exp	0	3	3	35	25	28	3	4.8

Students seemed to be generally dissatisfied with the tests. They found the material interesting but difficult.

**MAT 347Y1Y Groups, Rings and Fields**

Instructor(s): A. Gracia-Saz

Enr: 24                      Resp: 13                      Retake: 100%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	0	0	100	7.0
Explains	0	0	0	0	7	7	54	6.8
Communicates	0	0	0	0	7	7	84	6.8
Teaching	0	0	0	7	0	0	92	6.8
Workload	0	0	7	23	0	30	38	5.7
Difficulty	0	0	0	7	15	23	53	6.2
Learn Exp	0	0	0	0	0	25	75	6.8

Students found this course very rewarding and worthwhile despite it being "abstract" and "difficult".

Gracia-Saz was commended for the great job he did planning this course. He was cited for being enthusiastic and organized, and for his clear lecturing.

**MAT 354H1F Complex Analysis I**

Instructor(s): A. del Junco

Enr: 45                      Resp: 28                      Retake: 84%

	1	2	3	4	5	6	7	Mean
Presents	0	0	11	14	11	40	22	5.5
Explains	0	0	0	3	37	29	29	5.9
Communicates	3	0	0	7	14	46	28	5.8
Teaching	0	0	7	3	21	39	28	5.8
Workload	0	0	7	40	25	18	7	4.8
Difficulty	0	3	3	25	40	11	14	5.0
Learn Exp	0	4	0	13	30	34	17	5.4

Students generally found the instructor to be engaging and clear.

**MAT 357H1S Real Analysis I**

Instructor(s): R. Jerarrd

Enr: 57                      Resp: 39                      Retake: 70%

	1	2	3	4	5	6	7	Mean
Presents	2	0	7	15	25	25	23	5.3
Explains	0	5	7	12	20	30	23	5.3
Communicates	0	2	2	10	25	25	33	5.7
Teaching	2	5	0	10	23	31	26	5.5
Workload	0	0	0	25	30	25	17	5.4
Difficulty	0	0	0	17	17	30	33	5.8
Learn Exp	0	3	6	16	23	33	16	5.3

Some students said the tests and problems sets were difficult and the marking unfair. A few also thought the material presented in lectures were boring.

**MAT 391H1S History of Mathematics after 1700**

Instructor(s): C. Fraser

	Enr: 100							Mean
	Resp: 49							
	1	2	3	4	5	6	7	
Presents	2	0	2	2	35	25	33	5.8
Explains	2	0	0	12	20	31	33	5.8
Communicates	2	0	0	16	12	29	39	5.8
Teaching	2	0	0	8	31	27	31	5.7
Workload	0	0	12	61	14	10	0	4.2
Difficulty	2	4	10	65	13	4	0	4.0
Learn Exp	0	2	0	27	29	29	10	5.2

Generally, students found this course enjoyable. Fraser was a good, knowledgeable instructor.

**MAT 401H1S Polynomial Equations and Fields**

Instructor(s): A. Khovanskii

	Enr: 36							Mean
	Resp: 15							
	1	2	3	4	5	6	7	
Presents	26	13	20	13	13	6	6	3.2
Explains	20	13	20	20	6	20	0	3.4
Communicates	0	6	6	20	20	20	26	5.2
Teaching	13	13	6	26	13	20	6	4.0
Workload	0	0	0	66	26	6	0	4.4
Difficulty	0	0	0	53	26	6	13	4.8
Learn Exp	30	7	15	23	15	7	0	3.1

**MAT 402H1S Classical Geometries**

Instructor(s): A. Khovanskii

	Enr: 41							Mean
	Resp: 22							
	1	2	3	4	5	6	7	
Presents	9	4	22	13	4	31	13	4.5
Explains	4	4	19	19	9	19	23	4.8
Communicates	0	0	13	9	4	18	54	5.9
Teaching	4	4	0	9	31	31	18	5.3
Workload	0	0	4	63	13	18	0	4.5
Difficulty	0	4	4	36	18	36	0	4.8
Learn Exp	6	6	12	56	6	12	0	3.9

**MAT 454H1S Complex Analysis II**

Instructor(s): C. Pugh

	Enr: 20							Mean
	Resp: 14							
	1	2	3	4	5	6	7	
Presents	0	0	14	0	21	14	50	5.9
Explains	0	0	0	0	7	42	50	6.4
Communicates	0	0	0	0	0	7	92	6.9
Teaching	0	0	0	0	7	23	69	6.6
Workload	0	0	14	35	35	14	0	4.5
Difficulty	0	0	7	28	14	42	7	5.1
Learn Exp	0	0	9	0	9	45	36	6.0

Many thought Pugh was an excellent instructor who showed a lot of enthusiasm.

**MAT 457Y1Y Real Analysis II**

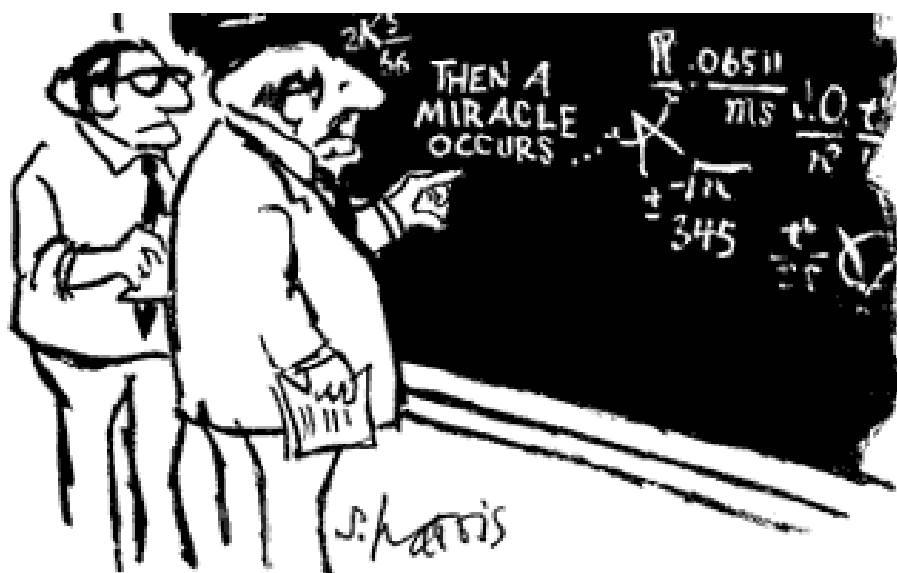
Instructor(s): L. Guth

	Enr: 10							Mean
	Resp: 6							
	1	2	3	4	5	6	7	
Presents	0	0	0	0	0	0	100	7.0
Explains	0	0	0	0	0	0	100	7.0
Communicates	0	0	0	0	0	0	100	7.0
Teaching	0	0	0	0	0	0	100	7.0
Workload	0	0	0	50	50	0	0	4.5
Difficulty	0	0	0	33	50	16	0	4.8
Learn Exp	0	0	0	0	0	20	80	6.8

**MAT 475H1S Problem Solving Seminar**

Instructor(s): J. Stewart

	Enr: 16							Mean
	Resp: 11							
	1	2	3	4	5	6	7	
Presents	0	0	0	0	18	27	54	6.4
Explains	0	0	0	0	18	27	54	6.4
Communicates	0	0	0	0	9	36	54	6.5
Teaching	0	0	0	0	27	27	45	6.2
Workload	27	9	9	45	0	0	9	3.2
Difficulty	0	27	18	18	18	9	9	3.9
Learn Exp	0	0	0	10	40	20	30	5.7



"I think you should be more explicit here in step two."