Physics and Astronomy Student Union

Introduction

The Physics & Astronomy Students' Union (PASU) represents all under-graduate students enrolled in PHY and AST courses. To find out more about PASU, drop by their office at MP 217 or visit their website www. physics.utoronto.ca/~pasu

Editor

AST 101H1F The Sun and its Neighbours

Instructor(s): R. Jayawardhana; R. Abraham

Enr: 1161		Resp: 163				Retake: 75%	
	1	2	3	4	5	6	7	Mean

	1	2	3	4	5	6	7	Mean
Jayawardhana:								
Presents	0	1	5	12	29	32	19	5.4
Explains	0	0	4	16	30	32	14	5.3
Communicates	1	0	5	15	29	30	17	5.3
Teaching	1	0	1	10	31	35	18	5.5
Abraham:								
Presents	0	0	1	5	28	35	26	5.9
Explains	0	0	1	7	21	37	32	5.9
Communicates	0	0	0	1	15	34	46	6.2
Teaching	0	0	1	3	17	41	35	6.1
Course:								
Workload	4	4	16	52	10	9	1	4.0
Difficulty	6	5	9	47	20	7	2	4.0
Learn Exp	0	0	5	35	24	15	18	5.1

Students really enjoyed the enthusiasm that Abraham showed during lectures. Most students found the tests easy except a few who thought that too much prior math and physics knowledge was expected. Also, the TAs were not very helpful and most students found the tutorials to be a waste of time.

AST 121H1S Origin and Evolution of the Universe

Instructor(s): R. Abraham

Enr: 136		Resp: 60				Retake: 94%	

	1	2	3	4	5	6	7	Mean
Presents	0	0	1	10	3	32	52	6.2
Explains	0	0	1	3	11	22	61	6.4
Communicates	0	0	0	1	3	16	78	6.7
Teaching	0	0	0	5	8	20	65	6.5
Workload	11	10	23	45	5	1	1	3.3
Difficulty	1	6	13	51	10	11	5	4.2
Learn Exp	0	0	3	9	23	34	28	5.8

Most students found Abraham to have been an excellent instructor.

AST 201H1S Stars and Galaxies

Instructor(s): R. Abraham; R. Jayawardhana

Enr: 1138		Resp: 104				Retake: 65%	

	1	2	3	4	5	6	7	Mean
Abraham:								
Presents	0	0	2	6	21	36	32	5.9
Explains	0	0	0	5	22	32	39	6.0
Communicates	0	0	0	3	16	21	57	6.3
Teaching	0	0	0	4	20	31	42	6.1

	1	2	3	4	5	6	7	Mean
Jayawardhana:								
Presents	0	0	3	16	32	29	15	5.3
Explains	0	2	2	17	33	24	17	5.3
Communicates	1	1	8	9	33	19	28	5.4
Teaching	0	0	6	15	29	27	18	5.3
Course:								
Workload	0	6	10	63	12	6	3	4.1
Difficulty	1	5	13	49	19	10	3	4.2
Learn Exp	0	3	2	28	24	25	14	5.1

The students really liked Abraham. They felt he was really knowledge-able and enthusiastic about the material. Some students felt that the course material was too difficult for non-Science students.

Students felt that Jayawardhana spoke too quickly and this made him hard to understand. Besides that, they thought he was interesting and was enthusiastic about the material.

AST 210H1F Great Moments in Astronomy

Instructor(s): B. Crill

Enr: 286		Resp: 89				Retake: 90%	

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	4	23	43	28	6.0
Explains	0	0	0	6	36	30	26	5.8
Communicates	0	0	0	6	26	35	31	5.9
Teaching	0	0	0	9	19	40	31	5.9
Workload	01	7	19	57	6	5	1	3.8
Difficulty	1	6	18	56	9	6	1	3.9
Learn Exp	0	0	0	27	36	26	9	5.2

The students really enjoyed having Crill as a lecturer due to the passion and enthusiasm he showed for the subject. The only complaint about the course was having to spend $40 on an iclicker.

AST 221H1F Stars and Planets

Instructor(s): M. van Kerkwijk

Enr: 27		Resp: 18				Retake: 66%	

	1	2	3	4	5	6	7	Mean
Presents	5	0	5	22	33	27	5	4.8
Explains	5	0	11	22	22	38	0	4.7
Communicates	5	0	0	0	11	33	50	6.1
Teaching	5	0	5	5	44	27	11	5.1
Workload	0	0	5	44	33	11	5	4.7
Difficulty	0	0	5	38	22	27	5	4.9
Learn Exp	7	0	7	15	46	23	0	4.6

The students found the instructor to be friendly and enthusiastic, however, some felt the concepts weren't explained well enough during lectures. The problem sets seemed to require a greater understanding of physics than most students expected and as a result, they found the questions to be vague and difficult. Most students agreed that the pre-sentations were very enjoyable and informative.

AST 222H1S Galaxies and Cosmology

Instructor(s): J. Dursi

Enr: 14		Resp: 14				Retake: 78%	

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	28	35	35	6.1
Explains	0	0	0	7	28	50	14	5.7
Communicates	0	0	0	7	21	50	14	5.9
Teaching	0	0	0	0	14	50	35	6.2
Workload	0	0	7	28	42	21	0	4.8
Difficulty	0	0	7	38	30	15	7	4.8
Learn Exp	0	0	0	15	53	15	15	5.3

The students sound the instructor to be fairly interesting, however he seemed a little shy. They also liked how flexible the instructor was about scheduling office hours.

AST 251H1S Life on Other Worlds

Instructor(s): S. Rucinski

Enr: 333   Resp: 85   Retake: 81%

	1	2	3	4	5	6	7	Mean
Presents	0	1	1	22	24	31	18	5.4
Explains	1	2	4	22	28	27	14	5.1
Communicates	1	3	9	21	28	22	13	4.9
Teaching	2	1	5	23	31	22	12	5.0
Workload	7	14	18	53	3	1	1	3.4
Difficulty	7	14	14	56	6	0	1	3.4
Learn Exp	3	9	1	48	22	3	11	4.3

Most of the students found the instructor very interesting while a few felt the instructor was a little disorganized and difficult to follow in class. Some suggested taking a break in between the 2-hour lecture.

AST 320H1S Introduction to Astrophysics

Instructor(s): C. Matzner

Enr: 17   Resp: 14   Retake: 75%

	1	2	3	4	5	6	7	Mean
Presents	0	7	14	21	57	0	0	4.3
Explains	0	0	21	7	57	14	0	4.6
Communicates	0	0	0	7	14	35	42	6.1
Teaching	0	7	7	14	21	21	28	5.3
Workload	0	0	0	28	35	35	0	4.9
Difficulty	0	0	7	35	21	35	0	4.5
Learn Exp	0	0	10	30	10	30	20	5.2

Students found the material challenging but interesting. The course textbook wasn't very useful. Matzner was very enthusiastic about the material.

PHY 100H1F The Magic of Physics

Instructor(s): V. Deyirmenjian

Enr: 178   Resp: 79   Retake: 85%

	1	2	3	4	5	6	7	Mean
Presents	0	1	0	6	25	39	27	5.8
Explains	0	0	1	1	27	31	37	6.0
Communicates	0	0	0	0	3	15	81	6.8
Teaching	0	0	0	3	8	45	41	6.3
Workload	3	15	20	58	1	0	0	3.4
Difficulty	1	11	15	28	8	3	1	3.8
Learn Exp	1	0	5	15	29	27	20	5.4

Most students really loved this lecturer because he was enthusiastic, funny, knowledgeable and made the material understandable. A few students felt that the assignments were not based on the lectures.

PHY 101H1S Emergence in Nature

Instructor(s): S. Morris

Enr: 117   Resp: 48   Retake: 65%

	1	2	3	4	5	6	7	Mean
Presents	0	2	4	15	32	23	21	5.4
Explains	0	0	8	6	21	29	34	5.7
Communicates	0	0	0	6	8	21	63	6.4
Teaching	0	0	4	4	17	43	27	5.9
Workload	2	8	14	64	8	2	0	3.8
Difficulty	0	2	6	54	22	12	2	4.4
Learn Exp	2	0	2	32	20	26	14	5.1

Morris was described as an enthusiastic instructor and well-liked by students. Overall, students enjoyed the course and found it inspirational in terms of the further study of physics.

PHY 110Y1Y Basic Physics

Instructor(s): R. Logan

Enr: 172   Resp: 62   Retake: 43%

	1	2	3	4	5	6	7	Mean
Presents	8	11	29	20	22	6	1	3.6
Explains	9	11	27	17	19	11	3	3.7
Communicates	0	1	8	21	22	29	16	5.2
Teaching	3	6	26	16	22	13	11	4.3
Workload	1	0	14	68	8	4	1	4.0
Difficulty	0	0	11	52	17	11	1	4.3
Learn Exp	0	7	22	33	18	16	0	4.2

Logan showed enthusiasm towards the course material though the notes themselves could have been better organized. The instructor should have explained the concepts more clearly and used numbers in the examples instead of just algebra.

Some students disliked the all multiple choice format of the tests.

Instructor(s): R. Logan

Enr: 84   Resp: 26   Retake: 40%

	1	2	3	4	5	6	7	Mean
Presents	24	16	24	4	20	12	0	3.2
Explains	16	24	24	20	8	4	4	3.1
Communicates	11	11	26	19	15	15	0	3.6
Teaching	16	8	24	16	8	24	4	3.8
Workload	0	8	12	56	12	8	4	4.1
Difficulty	0	4	20	32	28	12	4	4.4
Learn Exp	0	5	40	35	10	10	0	3.8

Logan moved through the material too quickly. He should have explained the concepts and given examples to illustrate them instead of just writing them down and moving on.

Overall, the course felt unorganized and rushed.

Instructor(s): D. James; D. Jones

Enr: 139   Resp: 42   Retake: 48%

	1	2	3	4	5	6	7	Mean
James:								
Presents	0	0	0	12	25	38	23	5.7
Explains	0	0	2	7	25	43	20	5.7
Communicates	0	0	0	2	17	35	43	6.2
Teaching	0	0	0	2	25	41	30	6.0
Jones:								
Presents	0	0	2	2	10	43	41	6.2
Explains	0	0	0	2	20	43	33	6.1
Communicates	0	0	0	2	28	33	35	6.0
Teaching	0	0	0	2	15	51	30	6.1
Course:								
Workload	0	0	23	53	12	7	2	4.1
Difficulty	0	0	12	53	20	5	7	4.4
Learn Exp	0	10	0	46	26	10	6	4.5

Instructor(s): D. James; D. Jones

Enr: 64   Resp: 41   Retake: 57%

	1	2	3	4	5	6	7	Mean
James:								
Presents	0	0	0	6	20	34	37	6.0
Explains	0	0	3	3	13	31	48	6.2
Communicates	0	0	0	3	7	28	60	6.5
Teaching	0	0	0	6	13	20	58	6.3
Jones:								
Presents	0	0	0	0	14	39	46	6.3
Explains	0	0	0	7	10	32	50	6.2
Communicates	0	0	0	3	25	35	35	6.0
Teaching	0	0	0	0	14	28	57	6.4
Course:								
Workload	4	0	4	52	16	20	4	4.5
Difficulty	3	0	7	38	23	15	11	4.7

| Learn Exp | 0 | 0 | 4 | 50 | 27 | 9 | 9 | 4.7 |

PHY 138Y1Y Physics for the Life Science I

Instructor(s): J. Harlow

Enr: 869		Resp: 462				Retake: 34%	
	1	2	3	4	5	6	7	Mean
Presents	0	2	7	21	29	27	10	5.0
Explains	1	2	6	20	28	30	11	5.1
Communicates	0	0	1	6	22	36	31	5.9
Teaching	0	1	4	18	29	31	14	5.2
Workload	0	0	1	22	26	25	22	5.4
Difficulty	0	0	0	11	24	36	27	5.7
Learn Exp	5	3	13	40	25	8	3	4.1

Students enjoyed the lectures given by Harlow. They felt he was like-able and enthusiastic. Many found the course material challenging and wanted fewer labs and more help with problems. Many wanted more useful examples done in class. Quite a few students enjoyed the course.

Instructor(s): A. Key; K. Strong

Enr: 660		Resp: 294				Retake: 33%	
	1	2	3	4	5	6	7	Mean
Key:								
Presents	2	2	9	22	27	23	12	4.9
Explains	2	1	11	17	28	27	10	5.0
Communicates	1	1	2	14	21	33	27	5.6
Teaching	2	1	4	19	25	29	17	5.2
Strong:								
Presents	0	0	4	21	31	26	14	5.2
Explains	0	1	5	21	31	23	15	5.2
Communicates	0	0	1	15	31	27	22	5.5
Teaching	1	0	2	16	30	30	17	5.4
Course:								
Workload	1	1	0	19	32	25	18	5.3
Difficulty	1	1	0	14	26	29	25	5.5
Learn Exp	3	1	13	43	23	10	3	4.3

A fair share of students liked Key but a few felt he was sometimes unapproachable. Students liked Strong and felt she was very kind.

Students disliked the labs and found them unrelated to the course material.

PHY 140Y1Y Foundations of Physics

Instructor(s): S. Stanley

Enr: 151		Resp: 111				Retake: 87%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	9	33	57	6.5
Explains	0	0	0	7	7	30	54	6.3
Communicates	0	0	0	0	3	18	76	6.7
Teaching	0	0	0	0	5	28	65	6.6
Workload	0	0	5	46	18	23	5	4.8
Difficulty	0	1	5	32	30	23	6	4.9
Learn Exp	0	0	2	19	15	36	26	5.6

Students loved Stanley, often citing her as kind, helpful and caring. Some students found the workload heavy and many highly disliked the labs, saying they were difficult and not correlated with course material.

Instructor(s): S. Julian

Enr: 125		Resp: 64				Retake: 81%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	1	6	32	62	6.6
Explains	0	0	1	6	22	33	35	6.0
Communicates	0	0	0	1	3	36	59	6.5
Teaching	0	0	1	3	4	39	50	6.3
Workload	4	3	1	38	25	14	12	4.7
Difficulty	4	1	3	30	26	25	7	4.8
Learn Exp	2	4	0	13	11	16	22	5.6

The students found the course very interesting and well organized. Furthermore, they really enjoyed the historical background given by Julian.

PHY 189H1S Physics at the Cutting Edge

Instructor(s): D. Miller

Enr: 14		Resp: 11				Retake: 90%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	9	9	45	27	9	5.2
Explains	0	0	9	0	27	36	27	5.7
Communicates	0	0	0	0	9	36	54	6.5
Teaching	0	0	0	0	18	18	63	6.5
Workload	0	0	45	36	18	0	0	3.7
Difficulty	0	0	9	45	18	18	9	4.7
Learn Exp	0	0	10	0	10	40	40	6.0

Students enjoyed the small size of the class. They found the instructor effective and organized. The students especially enjoyed the discussion.

PHY 205H1S The Physics of Everyday Life

Instructor(s): K. Walker

Enr: 182		Resp: 66				Retake: 80%	
	1	2	3	4	5	6	7	Mean
Presents	1	1	4	15	17	22	36	5.6
Explains	0	0	4	20	23	29	21	5.4
Communicates	1	0	1	12	18	32	32	5.8
Teaching	1	1	4	15	25	32	18	5.3
Workload	7	4	12	45	18	7	3	4.0
Difficulty	7	9	14	46	12	7	1	3.8
Learn Exp	0	4	8	38	20	14	16	4.8

Walker was described as an enthusiastic instructor with a good sense of humour. A few students felt that she allowed students to get caught up in unnecessary discussions.

Views of the course seemed to be fairly split. Many found the material new and interesting, while others found it to be too much like high school physics. Students with no physics background found some of the material too difficult, while students who already had some familiarity with the subject found it easy. Overall, the students enjoyed the in class experiments and demos.

PHY 238Y1Y Physics for the Life Sciences II

Instructor(s): P. Kushner; R. Serbanescu

Enr: 17		Resp: 13				Retake: 91%	
	1	2	3	4	5	6	7	Mean
Kushner:								
Presents	0	0	0	7	7	46	38	6.2
Explains	0	0	0	0	23	30	46	6.2
Communicates	0	0	0	0	23	38	38	6.2
Teaching	0	0	0	7	7	53	30	6.1
Serbanescu:								
Presents	0	0	0	7	38	30	23	5.7
Explains	0	0	0	0	15	38	46	6.3
Communicates	0	0	0	0	15	46	38	6.2
Teaching	0	0	0	0	15	53	30	6.2
Course:								
Workload	0	0	33	50	16	0	0	3.8
Difficulty	0	16	16	41	16	8	0	3.8
Learn Exp	0	0	9	18	0	36	36	5.7

PHY 251H1S Electricity and Magnetism

Instructor(s): P. Krieger

Enr: 96		Resp: 30				Retake: 88%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	10	6	24	41	17	5.5
Explains	0	0	10	17	20	37	13	5.3
Communicates	3	3	6	16	23	40	6	5.0
Teaching	0	0	13	3	30	43	10	5.3

	1	2	3	4	5	6	7	Mean
Workload	0	3	3	53	26	3	10	4.5
Difficulty	0	0	3	44	34	13	3	4.7
Learn Exp	0	0	0	38	26	23	11	5.1

Many students felt that going to class was useless since Krieger followed the textbook and did not provide any of his own insight into the course. Many felt the tutorials and textbook were excellent and primary resources.

One student described this course as their favourite 200-series level physics course.

PHY 252H1S Thermal Physics

Instructor(s): J. Bayer

Enr: 84   Resp: 41   Retake: 55%

	1	2	3	4	5	6	7	Mean
Presents	6	5	5	12	32	22	22	5.3
Explains	2	0	9	21	26	24	14	5.0
Communicates	4	2	2	7	34	26	21	5.3
Teaching	0	2	12	5	35	30	15	5.2
Workload	0	0	0	60	28	7	2	4.5
Difficulty	0	0	0	35	56	5	2	4.7
Learn Exp	0	5	5	40	24	16	8	4.6

Most students liked Bayer, finding him enthusiastic and good at teaching. They found the problem sets unrelated to the tests which were difficult.

PHY 255H1F Oscillations and Waves

Instructor(s): R. Marjoribanks

Enr: 91   Resp: 56   Retake: 49%

	1	2	3	4	5	6	7	Mean
Presents	3	1	19	35	21	12	5	4.3
Explains	5	0	14	23	35	10	10	4.6
Communicates	0	3	5	30	30	14	16	4.9
Teaching	7	8	26	26	12	12	5	3.9
Workload	0	1	1	69	21	5	0	4.3
Difficulty	0	0	5	55	23	14	1	4.5
Learn Exp	4	10	16	41	16	4	6	3.9

Students felt that the instructor was enthusiastic about the subject material and gave many examples and demonstrations, but a few students felt he wasted lecture time. He encouraged students to learn from the textbook, but many felt that the textbook was weak. The midterm was not graded within a reasonable time.

PHY 305H1F Electronics Lab I

Instructor(s): B. Netterfield

Enr: 19   Resp: 10   Retake: 100%

	1	2	3	4	5	6	7	Mean
Presents	0	0	10	10	50	20	10	5.1
Explains	0	0	0	10	20	40	30	5.9
Communicates	0	0	0	0	0	40	60	6.6
Teaching	0	0	0	0	20	40	40	6.2
Workload	0	10	10	30	30	20	0	4.4
Difficulty	0	0	20	70	10	0	0	3.9
Learn Exp	0	0	0	14	0	57	28	6.0

Students thought the class was very useful, and commented that they learned a lot, and that the course was fun and interesting. Students also felt that Netterfield was enthusiastic and amusing while teaching, and easy to get along with. Some students felt that the lectures were a little bit disorganized, and some wished that lab instructions were posted earlier before the labs.

PHY 307H1F Introduction to Computational Physics

Instructor(s): B. Holdom

Enr: 27   Resp: 25   Retake: 70%

	1	2	3	4	5	6	7	Mean
Presents	0	0	4	33	54	8	0	4.7
Explains	0	0	8	33	25	29	4	4.9
Communicates	0	4	4	43	39	8	0	4.4
Teaching	0	0	0	20	45	29	4	5.2
Workload	0	13	34	47	4	0	0	3.4
Difficulty	0	4	21	56	17	0	0	3.9
Learn Exp	0	0	10	52	21	15	0	4.4

Holdom was helpful and patient but the students disliked the marking scheme and the lack of feedback.

PHY 315H1S Radiation in Planetary Atmosphere

Instructor(s): K. Strong

Enr: 12   Resp: 8   Retake: 50%

	1	2	3	4	5	6	7	Mean
Presents	12	0	0	12	25	25	25	5.1
Explains	12	0	12	12	37	25	0	4.4
Communicates	0	0	0	0	0	25	75	6.8
Teaching	0	0	0	12	25	50	12	5.6
Workload	0	12	0	50	25	12	0	4.2
Difficulty	0	0	12	25	37	12	12	4.9
Learn Exp	0	0	12	50	12	12	12	4.6

Strong was described as a good instructor who put a great deal of personal effort and time into the course.

The course used many different resources: textbooks, course notes, lecture notes, and supplementary readings, and some students felt this was too much. Overall, students appreciated the online availability of lecture notes and course notes.

PHY 341H1S Physical Science and Contemporary Society

Instructor(s): J. Bayer

Enr: 9   Resp: 9   Retake: 100%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	25	25	25	25	5.5
Explains	0	0	0	0	37	50	12	5.8
Communicates	0	0	0	0	0	62	37	6.4
Teaching	0	0	0	0	0	77	22	6.2
Workload	0	0	25	62	0	0	12	4.1
Difficulty	0	12	25	37	0	0	25	4.2
Learn Exp	0	0	0	28	28	28	14	5.3

Students enjoyed the course and found Bayer a very good instructor.

PHY 346H1S Intermediate Biophysics

Instructor(s): R. Serbanescu

Enr: 17   Resp: 13   Retake: 58%

	1	2	3	4	5	6	7	Mean
Presents	0	0	8	8	50	16	16	5.2
Explains	0	0	15	15	38	23	7	4.9
Communicates	0	0	7	23	30	15	23	5.2
Teaching	0	0	0	7	30	30	30	5.8
Workload	0	0	16	58	25	0	0	4.1
Difficulty	0	0	16	50	25	8	0	4.2
Learn Exp	0	0	9	45	27	9	9	4.6

Serbanescu was described as a good instructor who was well liked by the students. She was seen as fair and helpful

The course was well liked overall, though some students didn't like the lack of a textbook and wished the course material had been posted sooner.

PHY 351H1S Classical Mechanics

Instructor(s): P. Kushner

Enr: 72		Resp: 43				Retake: 62%		
	1	2	3	4	5	6	7	Mean
Presents	2	0	6	18	34	27	9	5.0
Explains	4	2	23	25	20	13	9	4.3
Communicates	4	0	9	20	34	20	9	4.8
Teaching	4	2	13	20	25	20	11	4.7
Workload	0	0	0	14	30	30	23	5.6
Difficulty	0	0	0	14	19	33	33	5.9
Learn Exp	8	2	14	17	25	14	17	4.6

Kushner was described by most as a good instructor who cared about his students. Some felt that his office hours needed to be more flexible, but overall, he made himself available to the class. His style of lecturing was very organized, but many students felt he spent too much time talking about the material he was going to cover and not actually covering it.

The course was very difficult and tried to cover a lot of material without ample lectures. The first term test was very difficult and students felt they were not given enough time to complete it. Many students felt that they could have benefitted from solutions to the problem sets being put online. It was also agreed on that marking problem sets took too long, and not enough of the course grade had been returned by the end of the course.

PHY 353H1S Electromagnetic Waves

Instructor(s): D. Jones

Enr: 41		Resp: 23				Retake: 80%		
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	8	17	39	34	6.0
Explains	0	4	4	9	22	40	18	5.5
Communicates	0	0	4	21	13	26	34	5.7
Teaching	0	0	4	0	17	47	30	6.0
Workload	0	0	0	78	13	4	4	4.3
Difficulty	0	0	4	65	17	8	4	4.4
Learn Exp	0	0	0	18	56	25	0	5.1

Students really liked how friendly and knowledgeable Jones was. They also thought the evaluations were fair

PHY 355H1F Quantum Mechanics I

Instructor(s): D. James

Enr: 100		Resp: 71				Retake: 80%		
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	7	18	27	47	6.1
Explains	0	2	5	11	23	33	22	5.5
Communicates	0	0	0	2	12	22	61	6.4
Teaching	0	0	0	4	15	28	52	6.3
Workload	0	2	2	48	22	18	4	4.6
Difficulty	0	1	1	27	27	22	19	5.2
Learn Exp	0	0	3	19	19	40	17	5.5

Students really enjoyed the lectures and they thought James was enthusiastic and organized. There were mixed feelings about the textbook, most students felt that it was more useful at the beginning than at the end.

PHY 357H1S Nuclear and Particle Physics

Instructor(s): R. Orr

Enr: 20		Resp: 12				Retake: 81%		
	1	2	3	4	5	6	7	Mean
Presents	0	0	16	8	25	25	25	5.3
Explains	8	0	0	25	33	8	25	5.0
Communicates	0	0	0	8	16	33	41	6.1
Teaching	0	0	0	25	16	8	50	5.8
Workload	0	8	0	91	0	0	0	3.8
Difficulty	0	8	0	66	25	0	0	4.1

Learn Exp	0	0	20	20	0	40	20	5.2

Students very much liked Orr and felt that the course was excellent. Students also felt that Orr was knowledgeable, kind an entertaining.

PHY 359H1S Physics of the Earth

Instructor(s): S. Stanley

Enr: 25		Resp: 20				Retake: 95%		
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	10	0	25	65	6.4
Explains	0	0	5	0	15	15	65	6.3
Communicates	0	0	0	0	5	30	65	6.6
Teaching	0	0	0	0	21	10	68	6.5
Workload	0	15	20	65	0	0	0	3.5
Difficulty	0	0	45	40	15	0	0	3.7
Learn Exp	0	0	0	17	17	23	41	5.9

Students really loved how enthusiastic and knowledgeable Stanley was about the material. The class notes were incredibly comprehensive and were very useful for the problem sets and tests. All the students really liked the way the course was organized.

PHY 407H1F Introduction to Computational Physics

Instructor(s): B. Holdom

Enr: 8		Resp: 6				Retake: 50%		
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	66	16	16	0	4.5
Explains	0	0	16	16	50	16	0	4.7
Communicates	0	0	33	16	50	0	0	4.2
Teaching	0	0	0	33	50	16	0	4.8
Workload	0	16	33	33	16	0	0	3.5
Difficulty	0	16	16	33	66	0	0	3.5
Learn Exp	0	0	0	50	33	16	0	4.7

Holdom was helpful and well-prepared but sometimes the labs were too hard and the examples lacked clarity.

PHY 459H1S Macroscopic Physics

Instructor(s): S. Morris

Enr: 28		Resp: 15				Retake: 100%		
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	20	26	33	20	5.8
Explains	0	0	0	0	26	40	33	6.1
Communicates	0	0	0	0	13	13	73	6.6
Teaching	0	0	0	0	20	40	40	6.2
Workload	0	0	28	50	21	0	0	3.9
Difficulty	0	0	35	42	14	7	0	3.9
Learn Exp	0	0	0	40	30	30	0	4.9

Morris was describe as a fantastic instructor who taught with lots of enthusiasm. He was a great communicator and gave lots of enjoyable real life examples for the course material.

The course was viewed as both fun and not very difficult. It also gave students a few of new appreciation for the physics of everyday life.

PHY 460H1S Nonlinear Physics

Instructor(s): T. Shepherd

Enr: 8		Resp: 5				Retake: 50%		
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	20	60	20	6.0
Explains	0	0	0	0	40	40	20	5.8
Communicates	0	0	0	0	40	20	40	6.0
Teaching	0	0	0	0	40	40	20	5.8
Workload	0	0	0	0	60	40	0	5.4
Difficulty	0	0	0	0	40	40	20	5.8
Learn Exp	0	0	25	0	50	25	0	4.8

Students found the course interesting but very challenging. The work-

load was very heavy and students expressed that the prerequisites did not prepare them for the course.

PHY 483H1F Relativity Theory I

Instructor(s): C. Dyer

		Resp: 14					Retake: 100%	
Enr: 21								
	1	2	3	4	5	6	7	Mean
Presents	0	7	7	14	14	35	21	5.3
Explains	0	0	7	14	28	21	28	5.5
Communicates	0	0	0	0	7	35	57	6.5
Teaching	0	0	0	0	35	21	42	6.1
Workload	0	0	15	53	27	7	0	4.2
Difficulty	0	0	0	23	46	15	15	5.2
Learn Exp	0	0	0	0	10	50	40	6.3

   Dyer was enthusiastic about the material, however, the lack of a course textbook made it difficult to follow the lectures.

PHY 484H1S Relativity Theory II

Instructor(s): C. Dyer

		Resp: 6					Retake: 83%	
Enr: 7								
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	33	50	16	5.8
Explains	0	0	0	16	33	16	33	5.7
Communicates	0	0	0	0	33	0	66	6.3
Teaching	0	0	0	0	16	16	66	6.5
Workload	0	0	50	50	0	0	0	3.5
Difficulty	0	0	0	33	16	16	33	5.5
Learn Exp	0	0	0	20	20	20	40	5.8

   Students greatly enjoyed the course. Dyer was an excellent instructor and students would have liked to hear more lectures from him.

PHY 485H1F Modern Optics

Instructor(s): R. Marjoribanks

		Resp: 8					Retake: 87%	
Enr: 11								
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	25	50	25	6.0
Explains	0	0	0	0	12	50	37	6.2
Communicates	0	0	0	0	0	50	50	6.5
Teaching	0	0	0	0	25	37	37	6.1
Workload	0	0	0	12	50	25	12	5.4
Difficulty	0	0	0	50	12	37	0	4.9
Learn Exp	0	0	0	14	14	42	38	5.9

   Many students commented that they liked the demonstrations and physical examples that the instructor used. Some felt that the course and the teaching was great, but commented that it was not for the faint of heart. Some students complained that the midterm was marked too slowly, and that problem sets were on material not yet covered in class.

PHY 489H1S Introduction to High Energy Physics

Instructor(s): P. Krieger

		Resp: 6					Retake: 60%	
Enr: 15								
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	33	16	50	0	5.2
Explains	0	0	16	0	50	16	16	5.2
Communicates	0	0	20	0	60	20	0	4.8
Teaching	0	0	0	16	33	50	0	5.3
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	50	25	25	0	4.8

   The course was very informative and well-organized. Krieger was always available for consultation.

PHY 498H1F Advanced Atmospheric Physics

Instructor(s): K. Moore

		Resp: 6					Retake: 100%	
Enr: 7								
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	50	50	0	5.5
Explains	0	0	0	0	0	66	33	6.3
Communicates	0	0	0	0	0	50	50	6.5
Teaching	0	0	0	0	16	50	33	6.2
Workload	0	16	16	33	33	0	0	3.8
Difficulty	0	16	33	16	33	0	0	3.7
Learn Exp	0	0	20	0	20	20	40	5.6

   Students praised the instructor's enthusiasm. They also felt that the instructor was knowledgeable, interesting, friendly and easy going, and always willing to tend to questions. Some students praised the choice of textbook and said that the course was very interesting. Some felt that the workload was too crammed near the end of the course, while others felt that although work was graded fairly, more feedback would have been appreciated.