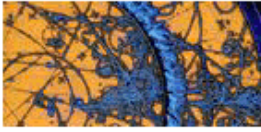# Physics and Astronomy Student Union

Introduction

The Physics & Astronomy Students' Union (PASU) represents all undergraduate students enrolled in PHY and AST courses. To find out more about PASU, drop by their office at MP 217

Editor

ASTRONOMY

AST 101H1F The Sun and Its Neighbours

Instructor(s): M. Reid

Enr: 1282			Resp: 579				Retake: 87%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	1	7	31	58	6.4
Explains	0	0	0	1	7	28	61	6.5
Communicates	0	0	0	1	5	19	73	6.6
Teaching	0	0	0	1	5	23	68	6.6
Workload	1	5	14	57	10	6	3	4.0
Difficulty	2	8	17	53	12	3	2	3.9
Learn Exp	0	0	1	21	23	24	29	5.6

Students thought that Reid was a very good lecturer who had a lot of enthusiasm about the material. Some did not like the emphasis on clickers during the lectures. Many students enjoyed both the TAs and the tutorials. Many expressed that they would take the 200 level follow up course. Some thought that the assignments did not reflect what was learnt in the lectures.

Instructor(s): S. Mochnacki

Enr: 1282			Resp: 579				Retake: 87%
	1	2	3	4	5	6	7	Mean
Presents	2	3	8	24	23	23	14	4.9
Explains	4	3	12	22	26	19	10	4.6
Communicates	3	3	9	22	21	23	16	4.9
Teaching	4	2	6	24	25	21	15	4.9
Workload	1	5	14	57	10	6	3	4.0
Difficulty	2	8	17	53	12	3	2	3.9
Learn Exp	0	0	1	21	23	24	29	5.6

Mochnacki was nice but difficult to understand. He often spoke too fast and was too dependant on his slides. Some students found him boring.

The course was interesting and many students enjoyed the learning experience. Some students found the test difficult. The tutorials were a hit or miss depending on the TA.

AST 121H1S Origin and Evolution of the Universe

Instructor(s): Y. Wu

Enr: 134			Resp: 52				Retake: 71%
	1	2	3	4	5	6	7	Mean
Presents	0	0	3	23	21	32	19	5.4
Explains	3	1	3	23	28	21	17	5.0
Communicates	0	0	3	5	21	36	32	5.9
Teaching	0	0	0	17	25	46	17	5.6
Workload	1	7	23	36	25	5	0	3.9
Difficulty	0	0	7	25	23	27	15	5.2
Learn Exp	0	4	0	32	28	28	8	5.0

Students felt Wu was an overall good lecturer. She explained concepts clearly and presented he material well.

While the course material was interesting, assignments and test were deemed challenging by some students.

AST 201H1S Stars and Galaxies

Instructor(s): M. Reid; S. Mochnacki

Enr: 1288			Resp: 389				Retake: 81%
	1	2	3	4	5	6	7	Mean
Reid:								
Presents	0	0	0	2	9	35	52	6.4
Explains	0	0	0	1	7	32	57	6.4
Communicates	0	0	0	1	6	22	68	6.6
Teaching	0	0	0	1	7	29	61	6.5
Mochnacki:								
Presents	3	3	8	3	25	23	13	4.9
Explains	4	5	8	25	25	19	10	4.6
Communicates	3	3	7	19	26	20	18	5.0
Teaching	3	4	6	20	29	20	14	4.9
Course:								
Workload	1	5	9	55	15	8	4	4.2
Difficulty	1	3	11	47	21	10	3	4.3
Learn Exp	0	0	2	25	22	28	21	5.4

Reid was an engaging lecturer who explained concepts in a detailed but clear manner. Students appreciated his commitment to make time for individual consultation.

Mochnacki's lecture style was a bit dull and he could have been more enthusiastic. Students generally felt he was well-organized but was sometimes not clear when explaining concepts.

Overall, students enjoyed the course.

AST 210H1F Great Moments in Astronomy

Instructor(s): M. van Kerkwijk

Enr: 141			Resp: 54				Retake: 71%
	1	2	3	4	5	6	7	Mean
Presents	1	1	12	24	31	18	9	4.7
Explains	0	5	12	24	27	18	11	4.7
Communicates	0	0	0	5	9	42	42	6.2
Teaching	0	0	5	12	31	29	20	5.5
Workload	0	1	9	67	11	7	1	4.2
Difficulty	0	0	5	44	37	7	5	4.6
Learn Exp	2	0	11	34	31	13	6	4.6

Overall students found the instructor very knowledgeable and felt that he was very enthusiastic about the material he was teaching. Students found the online quizzes very helpful and would have preferred having more of them in the second half of the course.

AST 222H1S Galaxies and Cosmology

Instructor(s): J. Dursi

Enr: 22			Resp: 16				Retake: 93%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	25	56	18	5.9
Explains	0	0	0	6	25	43	25	5.9
Communicates	0	0	0	6	18	37	37	6.1
Teaching	0	0	0	0	12	56	31	6.2
Workload	0	0	6	18	43	25	6	5.1
Difficulty	0	0	0	25	25	37	12	5.4
Learn Exp	0	0	0	23	7	30	38	5.8

Dursi was very approachable and readily available to help students. Interesting course overall.

AST 251H1S Life on Other Worlds

Instructor(s): H. Pfeiffer

Enr: 331 | | | Resp: 139 | | | | Retake: 73
	1	2	3	4	5	6	7	Mean
Presents	0	0	2	14	34	30	17	5.5
Explains	0	0	1	15	37	30	14	5.4
Communicates	0	2	5	15	30	23	23	5.4
Teaching	0	0	1	14	32	31	19	5.5
Workload	3	8	17	60	9	0	0	3.7
Difficulty	2	9	17	57	10	1	0	3.7
Learn Exp	1	7	6	42	24	10	8	4.5

Interesting topic but lectures can be dry at times.

AST 320H1S Introduction to Astrophysics

Instructor(s): C. Matzner

Enr: 16 | | | Resp: 12 | | | | Retake: 100%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	8	33	50	8	5.6
Explains	0	0	8	0	33	41	16	5.6
Communicates	0	0	0	0	0	25	75	6.8
Teaching	0	0	0	0	16	33	50	6.3
Workload	0	0	0	8	25	58	8	5.7
Difficulty	0	0	0	25	33	33	8	5.2
Learn Exp	0	0	0	25	25	25	25	5.5

AST 325H1F Introduction to Practical Astronomy

Instructor(s): S. Mochnacki

Enr: 12 | | | Resp: 12 | | | | Retake: 20%
	1	2	3	4	5	6	7	Mean
Presents	8	8	33	16	0	33	0	3.9
Explains	0	25	33	16	16	0	8	3.6
Communicates	18	0	0	9	18	36	18	4.9
Teaching	9	9	27	18	0	36	0	4.0
Workload	0	0	0	16	33	41	8	5.4
Difficulty	0	0	0	16	25	50	8	5.5
Learn Exp	11	22	11	22	11	22	0	3.7

Mochnacki presented the material in a highly disorganized manner, with a lack of enthusiasm, and in a monotonous voice.

The computer aspect of the course was unsupported and without resources. Assignments were vague and difficult to solve, and based on materials not covered in lectures. However, Mochnacki was knowledgeable and helpful when asked.

AST 326Y1Y Practical Astronomy

Instructor(s): S. Mochnacki

Enr: 8 | | | Resp: 6 | | | | Retake: 50%
	1	2	3	4	5	6	7	Mean
Presents	16	16	16	16	16	0	16	3.7
Explains	16	16	0	550	0	16	0	3.5
Communicates	16	0	16	16	0	50	0	4.3
Teaching	0	0	50	0	33	0	16	4.3
Workload	0	0	0	16	50	16	16	5.3
Difficulty	0	0	0	16	33	33	16	5.5
Learn Exp	16	16	16	33	0	0	16	3.5

The course was poorly organize. Furthermore, students did not receive a single piece of graded work until the last week of class.

AST 425Y1Y Research Topic in Astronomy

Instructor(s): M. van Kerkwijk

Enr: 5 | | | Resp: 5 | | | | Retake: 100%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	40	20	40	6.0
Explains	0	0	0	25	0	25	50	6.0
Communicates	0	0	0	0	0	0	100	7.0
Teaching	0	0	0	0	0	40	60	6.6
Workload	0	0	0	20	0	20	60	6.2
Difficulty	0	0	20	0	20	40	20	5.4
Learn Exp	0	0	0	0	20	0	80	6.6

The course involved a very heavy workload but Kerkwijk was an effective instructor.

PHYSICS

PHY 100H1F The Magic of Physics

Instructor(s): **V. Deyirmenjian**

Enr: 181 | | | Resp: 92 | | | | Retake: 72%
	1	2	3	4	5	6	7	Mean
Presents	1	0	2	6	30	31	27	5.7
Explains	0	1	1	11	23	26	36	5.8
Communicates	0	0	0	1	14	16	67	6.5
Teaching	0	2	1	6	18	33	35	5.9
Workload	4	7	13	55	11	3	4	3.9
Difficulty	1	5	14	52	11	6	8	4.2
Learn Exp	1	5	5	39	22	14	11	4.7

Most students agreed that Deyirmenjian was a humorous and enthusiastic teacher.

PHY 131H1F Introduction to Physics I

Instructor(s): S. Morris

Enr: 909 | | | Resp: 599 | | | | Retake: 40%
	1	2	3	4	5	6	7	Mean
Presents	1	1	5	15	29	34	12	5.2
Explains	1	1	5	17	25	27	20	5.3
Communicates	0	0	1	6	17	32	41	6.0
Teaching	2	1	3	16	26	30	18	5.3
Workload	0	0	3	30	31	21	11	5.0
Difficulty	0	0	2	21	28	27	18	5.3
Learn Exp	4	4	9	42	18	14	6	4.3

Morris was well-liked. He was enthusiastic and students like his demonstrations very much. He made the subject fun and interesting.

At the same time, he lectured very quickly, and some students found it difficulty to keep up. Students found the multiple choice tests unfair. It would also be preferable if assignments were marked. Also, tutorials would have been useful.

PHY 131H1S Introduction to Physics I

Instructor(s): J. Harlow

Enr: 152 | | | Resp: 79 | | | | Retake: 69%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	5	18	45	30	6.0
Explains	0	1	2	5	16	39	35	6.0
Communicates	0	0	0	2	5	31	60	6.5
Teaching	0	0	1	6	7	43	41	6.2
Workload	0	1	3	51	17	20	5	4.7
Difficulty	0	0	11	34	24	24	5	4.8
Learn Exp	0	0	4	28	26	26	12	5.1

The instructor was described as an enthusiastic and effective lecturer.

PHY 132H1F Introduction Physics II

Instructor(s): J. Harlow

Enr: 58 | | | Resp: 47 | | | | Retake: 35%
	1	2	3	4	5	6	7	Mean
Presents	0	0	4	6	24	26	37	5.9
Explains	0	0	4	15	22	24	33	5.7
Communicates	0	0	0	4	6	31	57	6.4
Teaching	0	0	0	4	15	40	40	6.2
Workload	0	0	2	31	40	14	10	5.0

	1	2	3	4	5	6	7	Mean
Difficulty	0	0	2	29	36	21	10	5.1
Learn Exp	2	0	2	41	25	16	11	4.8

PHY 132H1S Introduction to Physics

Instructor(s): S. Morris

Enr: 553　　　　　Resp: 422　　　　　Retake: 40%

	1	2	3	4	5	6	7	Mean
Presents	2	2	3	17	31	29	13	5.2
Explains	2	1	5	18	30	23	17	5.1
Communicates	2	0	1	12	17	30	34	5.7
Teaching	2	1	4	18	25	28	17	5.2
Workload	0	0	2	40	26	21	7	4.9
Difficulty	0	0	2	24	29	28	14	5.2
Learn Exp	4	3	8	41	23	14	5	4.4

PHY 151H1F Foundations of Physics I

Instructor(s): D. James

Enr: 161　　　　　Resp: 89　　　　　Retake: 86%

	1	2	3	4	5	6	7	Mean
Presents	0	1	1	3	19	40	34	6.0
Explains	0	0	1	5	20	37	35	6.0
Communicates	0	0	0	0	4	16	78	6.7
Teaching	0	0	1	2	8	38	49	6.3
Workload	0	1	1	36	32	25	3	4.9
Difficulty	0	0	4	26	29	28	11	5.2
Learn Exp	0	0	0	14	34	41	10	5.5

Many people felt James was extremely enthusiastic and made the course very interesting. Students also commented on his excellent ability to erase the blackboard. People felt that James made his course fun and their favourite class. They also said that the labs were extremely valuable, however could have been better organized. Students felt James was welcoming and created a sense of community which was good for a first year class as a transition to university.

PHY 152H1S Foundations of Physics II

Instructor(s): S. Julian

Enr: 114　　　　　Resp: 56　　　　　Retake: 77%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	12	42	44	6.3
Explains	0	0	5	8	19	35	30	5.8
Communicates	0	0	0	1	19	30	48	6.2
Teaching	0	0	0	1	14	44	39	6.2
Workload	0	0	0	14	32	41	12	5.5
Difficulty	0	0	0	14	29	36	20	5.6
Learn Exp	0	0	2	6	39	32	19	5.6

PHY 152H1S Foundations of Physics II

Instructor(s): S. Julian

Enr: 114　　　　　Resp: 56　　　　　Retake: 77%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	12	42	44	6.3
Explains	0	0	5	8	19	35	30	5.8
Communicates	0	0	0	1	19	35	48	6.2
Teaching	0	0	0	1	14	44	39	6.2
Workload	0	0	0	14	32	41	12	5.5
Difficulty	0	0	0	14	29	36	20	5.6
Learn Exp	0	0	2	6	39	32	19	5.6

Students enjoyed the instructor's lecture style. Julian was organized and presented material clearly.

PHY 205H1S The Physics of Everyday Life

Instructor(s): K. Walker

Enr: 188　　　　　Resp: 28　　　　　Retake: 88%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	7	7	25	59	6.4

	1	2	3	4	5	6	7	Mean
Explains	0	0	3	0	10	32	53	6.3
Communicates	0	0	0	7	7	21	64	6.4
Teaching	0	0	0	0	18	18	62	6.4
Workload	0	0	18	59	7	11	3	4.2
Difficulty	0	3	18	62	11	0	3	4.0
Learn Exp	0	0	5	15	35	35	10	5.3

Students found Walker to be a great instructor and highly enjoyed her class.

Instructor(s): K. Walker

Enr: 188　　　　　Resp: 60　　　　　Retake: 78%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	3	15	38	43	6.2
Explains	0	0	0	3	16	30	50	6.3
Communicates	0	0	0	0	15	30	55	6.4
Teaching	0	0	0	3	15	30	51	6.3
Workload	0	6	11	58	13	6	3	4.1
Difficulty	0	11	16	43	16	8	3	4.0
Learn Exp	0	0	4	21	23	34	15	5.3

Overall, the course was very enjoyable.

PHY 252H1F Thermal Physics

Instructor(s): J. Thywissen

Enr: 113　　　　　Resp: 69　　　　　Retake: 71%

	1	2	3	4	5	6	7	Mean
Presents	0	1	1	21	21	30	23	5.5
Explains	2	2	7	22	27	23	13	4.9
Communicates	0	0	1	10	20	36	30	5.9
Teaching	0	4	0	15	26	31	21	5.5
Workload	0	0	3	36	33	16	10	5.0
Difficulty	0	0	4	40	28	20	5	4.8
Learn Exp	2	2	4	36	26	16	14	4.9

Thywissen was a very good instructor who was enthusiastic. However, some students fount the weekly problem sets very time consuming and wished they were given more time.

PHY 254H1F Mechanics: From Oscillations to Chaos

Instructor(s): S. Stanley

Enr: 109　　　　　Resp: 50　　　　　Retake: 82%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	2	12	26	60	6.4
Explains	0	0	2	4	16	28	50	6.2
Communicates	0	0	0	4	4	28	64	6.5
Teaching	0	0	0	2	10	22	66	6.5
Workload	0	0	0	30	30	38	0	5.1
Difficulty	0	0	2	22	40	32	2	5.1
Learn Exp	0	0	2	17	27	32	20	5.5

Stanley was an excellent instructor who did a great job in the course material.

PHY 256H1F Introduction to Quantum Physics

Instructor(s): K. Burch

Enr: 97　　　　　Resp: 50　　　　　Retake: 73%

	1	2	3	4	5	6	7	Mean
Presents	8	2	10	16	42	16	4	4.5
Explains	4	6	10	24	32	16	6	4.5
Communicates	2	2	2	4	36	38	14	5.4
Teaching	2	2	10	12	50	14	8	4.8
Workload	0	2	10	46	36	4	0	4.3
Difficulty	0	0	4	34	32	24	4	4.9
Learn Exp	2	2	5	51	20	17	0	4.4

Burch made mistakes on lecture notes but students recognized that it was his first time as an instructor. He could have been more organized.

PHY 354H1S Classical Mechanics

Instructor(s): E. Poppitz

Enr: 94   Resp: 42   Retake: 87%

	1	2	3	4	5	6	7	Mean
Presents	0	0	2	4	14	40	38	6.1
Explains	0	0	0	14	9	42	33	6.0
Communicates	0	0	0	4	11	21	61	6.4
Teaching	0	0	2	2	7	38	50	6.3
Workload	0	2	7	38	28	19	4	4.7
Difficulty	0	2	2	30	30	23	9	5.0
Learn Exp	0	0	2	13	13	45	24	5.8

The instructor was described as an effective lecturer. Students found the course material to be interesting.

PHY 357H1S Nuclear and Particle Physics

Instructor(s): R. Orr

Enr: 30   Resp: 17   Retake: 60%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	11	41	29	17	5.5
Explains	0	0	5	17	29	23	23	5.4
Communicates	0	0	0	0	11	29	58	6.5
Teaching	0	0	0	5	17	47	29	6.0
Workload	0	0	0	47	23	29	0	4.8
Difficulty	0	0	0	41	35	23	0	4.8
Learn Exp	0	0	7	14	28	35	14	5.4

While students found the instructor to be engaging, some noted that there was a lot of material for a half-year course.

PHY 385H1F Introductory to Optics

Instructor(s): J. Harlow

Enr: 12   Resp: 8   Retake: 100%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	12	62	25	6.1
Explains	0	0	0	0	12	37	50	6.4
Communicates	0	0	0	0	12	37	50	6.4
Teaching	0	0	0	0	0	37	62	6.6
Workload	0	12	0	75	12	0	0	3.9
Difficulty	0	0	12	87	0	0	0	3.9
Learn Exp	0	0	0	28	28	28	14	5.3

PHY 392H1S Physics of Climate

Instructor(s): K. Strong

Enr: 16   Resp: 10   Retake: 70%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	20	50	30	6.1
Explains	0	0	0	40	40	10	10	4.9
Communicates	0	0	0	0	30	40	30	6.0
Teaching	0	0	0	0	50	40	10	5.6
Workload	0	0	0	30	40	10	20	5.2
Difficulty	0	0	10	10	50	10	20	5.2
Learn Exp	0	0	0	40	30	20	10	5.0

Generally, students felt that the material was presented well and that the instructor was organized.

PHY 395H1S Physics of the Earth

Instructor(s): S. Stanley

Enr: 134   Resp: 42   Retake: 86%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	2	11	21	64	6.5
Explains	0	0	0	2	9	23	64	6.5
Communicates	0	0	0	2	9	24	63	6.5
Teaching	0	0	0	0	9	19	71	6.6
Workload	0	0	17	60	17	2	2	4.1
Difficulty	0	2	16	52	21	0	7	4.2

| Learn Exp | 0 | 2 | 0 | 11 | 28 | 34 | 22 | 5.6 |

Some students noted that the instructor's performance as a lecturer was excellent.

PHY 407H1F Computational Physics

Instructor(s): B. Holdom

Enr: 14   Resp: 14   Retake: 78%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	7	64	28	0	5.2
Explains	0	0	0	14	28	50	7	5.5
Communicates	0	0	0	15	53	23	7	5.2
Teaching	0	0	0	0	35	50	14	5.8
Workload	7	7	28	42	14	0	0	3.5
Difficulty	7	7	14	42	21	7	0	3.9
Learn Exp	0	0	0	27	45	18	9	5.1

PHY 408H1S Time Series Analysis

Instructor(s): Q. Liu

Enr: 29   Resp: 16   Retake: 92%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	25	43	12	18	5.2
Explains	0	0	0	18	43	25	12	5.3
Communicates	0	0	0	0	31	50	18	5.9
Teaching	0	0	0	0	37	50	12	5.8
Workload	0	0	18	43	18	12	6	4.4
Difficulty	0	0	12	50	18	12	6	4.5
Learn Exp	0	0	0	46	20	20	13	5.0

Students felt the material was interesting and useful. The instructor was readily available to help students.

PHY 450H1S Relativistic Electrodynamics

Instructor(s): E. Poppitz

Enr: 11   Resp: 9   Retake: 88%

	1	2	3	4	5	6	7	Mean
Presents	0	0	11	0	22	0	66	6.1
Explains	0	0	11	0	11	22	55	6.1
Communicates	0	0	0	0	11	11	77	6.7
Teaching	0	0	0	22	0	33	44	6.0
Workload	0	0	0	50	12	37	0	4.9
Difficulty	0	0	0	12	25	62	0	5.5
Learn Exp	0	0	0	12	12	0	75	6.4

Poppitz was highly regarded by the students. Overall, students had a good class experience.

PHY 454H1S Continuum Mechanics

Instructor(s): K. Das

Enr: 12   Resp: 9   Retake: 88%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	11	55	33	6.2
Explains	0	0	0	0	11	33	55	6.4
Communicates	0	0	0	0	11	33	55	6.4
Teaching	0	0	0	0	33	33	33	6.0
Workload	0	0	22	66	0	11	0	4.0
Difficulty	0	0	11	66	11	0	11	4.3
Learn Exp	0	0	0	28	14	28	28	5.6

PHY 456H1F Quantum Mechanics II

Instructor(s): J. Sipe

Enr: 33   Resp: 21   Retake: 95%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	0	33	66	6.7
Explains	0	0	0	0	19	28	52	6.3
Communicates	0	0	0	0	0	9	90	6.9
Teaching	0	0	0	0	9	4	85	6.8

	1	2	3	4	5	6	7	Mean
Workload	0	0	5	40	15	40	0	4.9
Difficulty	0	0	4	14	38	42	0	5.2
Learn Exp	0	0	0	15	25	40	20	5.7

Sipe was cited for being very knowledgeable and enthusiastic. He was praised for being able to communicate the material clearly and effectively. Most students said Sipe was one of the "Best" instructors at UofT.

PHY 460H1S Nonlinear Physics

Instructor(s): S. Stanley

Enr: 15   Resp: 11   Retake: 90%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	0	0	100	7.0
Explains	0	0	0	0	0	18	81	6.8
Communicates	0	0	0	0	0	18	81	6.8
Teaching	0	0	0	0	0	9	90	6.9
Workload	0	0	0	45	27	18	9	4.9
Difficulty	0	9	9	36	36	9	0	4.3
Learn Exp	0	0	0	12	12	25	50	6.1

PHY 483H1F Relativity Theory I

Instructor(s): C. Dyer

Enr: 22   Resp: 12   Retake: 90%

	1	2	3	4	5	6	7	Mean
Presents	0	0	8	16	33	25	16	5.2
Explains	0	0	0	25	33	25	16	5.3
Communicates	0	0	0	0	0	50	50	6.5
Teaching	0	0	0	8	25	33	33	5.9
Workload	0	8	0	25	41	16	8	4.8
Difficulty	0	0	0	0	33	33	33	6.0
Learn Exp	0	0	0	12	0	62	25	6.2

Dyer was enthusiastic and presented his lectures clearly, although some found the pace to be quite fast at times.

PHY 485H1F Lasers and Modern Optics

Instructor(s): H. Van Driel

Enr: 9   Resp: 7   Retake: 100%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	14	71	14	6.0
Explains	0	0	0	14	14	42	28	5.9
Communicates	0	0	0	0	0	42	57	6.6
Teaching	0	0	0	0	0	66	33	6.3
Workload	0	0	0	28	42	28	0	5.0
Difficulty	0	0	0	28	14	42	14	5.4
Learn Exp	0	0	0	0	14	71	14	6.0

PHY 487H1F Condensed Matter Physics

Instructor(s): K. Burch

Enr: 10   Resp: 7   Retake: 85%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	14	28	57	0	5.4
Explains	0	0	0	14	57	28	0	5.1
Communicates	0	0	0	0	0	71	28	6.3
Teaching	0	0	0	0	57	28	14	5.6
Workload	0	0	28	42	28	0	0	4.0
Difficulty	0	0	14	57	28	0	0	4.1
Learn Exp	0	0	0	16	33	33	16	5.5

PHY 489H1F Introduction to High Energy Physics

Instructor(s): P. Krieger

Enr: 5   Resp: 4   Retake: 75%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	25	25	50	5.8
Explains	0	0	0	0	25	50	25	6.0
Communicates	0	0	0	0	50	50	0	5.5
Teaching	0	0	0	0	25	50	25	6.0

	1	2	3	4	5	6	7	Mean
Workload	0	0	25	50	0	25	0	4.2
Difficulty	0	0	25	50	0	0	25	4.5
Learn Exp	0	0	0	25	75	0	0	4.8

PHY 491H1S Current Interpretation of Quantum Mechanics

Instructor(s): J. Sipe

Enr: 9   Resp: 7   Retake: 100%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	14	28	57	6.4
Explains	0	0	0	0	14	42	42	6.3
Communicates	0	0	0	0	0	14	85	6.9
Teaching	0	0	0	0	14	0	85	6.7
Workload	0	0	14	28	42	14	0	4.6
Difficulty	0	0	0	14	71	14	0	5.0
Learn Exp	0	0	0	0	16	0	83	6.7

Students found the instructor to be enthusiastic. Course material was explained clearly.

PHY 493H1F Geophysical Imaging I

Instructor(s): Q. Liu

Enr: 6   Resp: 5   Retake: 100%

	1	2	3	4	5	6	7	Mean
Presents	0	0	0	20	40	20	20	5.4
Explains	0	0	0	20	40	20	20	5.4
Communicates	0	0	0	20	40	20	20	5.4
Teaching	0	0	0	20	20	40	20	5.6
Workload	0	0	0	20	20	60	0	5.4
Difficulty	0	0	0	0	60	20	20	5.6
Learn Exp	0	0	0	0	20	60	20	6.0

Liu was nice and very attentive to students' questions.

We're going with a more realistic look.