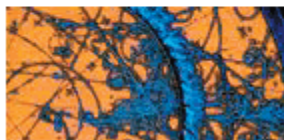


Physics and Astronomy Student Union



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 or visit their website www.physics.utoronto.ca/~pasu

Editor

AST 101H1F The Sun and It's Neighbours

Instructor(s): R. Abraham; S. Mochnacki

Enr: 1124	Resp: 142							Retake: 63%
	1	2	3	4	5	6	7	Mean
<u>Abraham:</u>								
Presents	0	0	0	6	19	32	41	6.1
Explains	0	0	0	5	17	28	48	6.2
Communicates	0	0	1	5	8	15	68	6.4
Teaching	0	0	0	2	20	28	48	6.2
<u>Mochnacki:</u>								
Presents	3	3	10	19	28	26	9	4.8
Explains	5	3	9	29	31	12	8	4.5
Communicates	7	3	8	22	40	11	6	4.4
Teaching	4	3	5	25	35	17	8	4.7
<u>Course:</u>								
Workload	1	5	9	58	12	9	3	4.2
Difficulty	0	2	13	45	22	7	7	4.4
Learn Exp	5	1	2	33	26	14	15	4.8

Abraham was a very informative and enthusiastic instructor. The course was described as interesting and informative. The course did not require a lot of knowledge of mathematics.

AST 121H1S Origin and Evolution of the Universe

Instructor(s): H. Yee

Enr: 106	Resp: 35							Retake: 53%
	1	2	3	4	5	6	7	Mean
Presents	0	2	8	28	28	14	17	4.9
Explains	0	2	34	8	28	14	11	4.5
Communicates	2	8	8	17	25	14	22	4.9
Teaching	0	2	11	22	34	20	8	4.8
Workload	2	2	17	65	8	2	0	3.8
Difficulty	2	2	8	54	11	14	5	4.3
Learn Exp	3	3	3	33	25	22	7	4.7

Students mentioned that Yee explained concepts clearly, although they felt topics should have been emphasized more throughout the course.

Some students found the lectures to be interesting and the questions on the problem sets to be unnecessarily obfuscating.

AST 201H1S Stars and Galaxies

Instructor(s): S. Mochnacki; M. van Kerkwijk

Enr: 1076	Resp: 118							Retake: 59%
	1	2	3	4	5	6	7	Mean
<u>Mochnacki:</u>								
Presents	1	1	6	25	28	23	11	5.0

Explains	0	2	12	24	26	21	10	4.8
Communicates	1	1	8	26	25	18	17	5.0
Teaching	2	2	3	31	30	17	11	4.8
<u>van Kerkwijk:</u>								
Presents	0	0	7	24	25	28	13	5.1
Explains	0	1	9	23	29	22	11	5.0
Communicates	0	0	4	18	29	25	19	5.3
Teaching	0	2	1	30	27	21	14	5.1
<u>Course:</u>								
Workload	0	5	10	59	15	4	3	4.1
Difficulty	0	3	10	45	26	8	3	4.3
Learn Exp	0	3	15	34	28	10	7	4.5

Most students found the material interesting, though some felt that the requisite knowledge for taking this course was misrepresented in the description. Some students felt that the lectures did not help clarify the required readings, although the tutorials were interesting and useful.

Mochnacki was seen as enthusiastic and students found his notes clear, and easy to follow. They also enjoyed the extra information given about astronomy events happening.

van Kerkwijk was evidently passionate about the material, though some students felt he should have spent more time explaining key concepts. His lecture slides, however, were seen as simple and easy to understand.

AST 210H1F Great Moments in Astronomy

Instructor(s): S. Mochnacki

Enr: 362	Resp: 78							Retake: 69%
	1	2	3	4	5	6	7	Mean
Presents	2	0	7	25	23	28	11	5.0
Explains	6	1	5	25	23	30	7	4.8
Communicates	3	2	3	15	25	20	27	5.3
Teaching	2	0	5	20	25	31	14	5.2
Workload	1	5	17	57	12	2	4	4.0
Difficulty	0	2	17	60	10	4	4	4.1
Learn Exp	3	0	1	38	35	12	8	4.7

Mochnacki was described as an enthusiastic and exuberant lecturer who was very willing to help students understand the material.

Students enjoyed the use of the iClicker for quizzes, but felt that the written tests were restricted by insufficient time.

AST 221H1F Stars and Planets

Instructor(s): M. van Kerkwijk

Enr: 26	Resp: 18							Retake: 72%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	27	33	11	27	5.4
Explains	0	0	11	22	22	38	5	5.1
Communicates	0	0	0	0	16	33	50	6.3
Teaching	0	0	0	5	55	27	11	5.4
Workload	0	0	5	44	27	22	0	4.7
Difficulty	0	0	0	16	50	16	16	5.3
Learn Exp	0	0	0	31	31	25	12	5.2

van Kerkwijk was described as an enthusiastic instructor but he had a hard time organizing the lectures. Therefore, not enough time was spent on some of the material.

AST 222H1S Galaxies and Cosmology

Instructor(s): J. Dursi

Enr: 17	Resp: 13							Retake: 92%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	15	23	61	6.5
Explains	0	0	0	0	7	76	15	6.1
Communicates	0	0	0	0	0	53	46	6.5
Teaching	0	0	0	0	0	38	61	6.6
Workload	0	0	7	61	23	7	0	4.3
Difficulty	0	0	7	61	0	23	7	4.6
Learn Exp	0	0	0	9	27	36	27	5.7

Many students commented that Dursi presented the material well, and praised his willingness to aid students in understanding by regularly staying after class.

Some expressed the sentiment that there was insufficient time for the midterm, but that the material on the problem sets and test was engaging.

AST 251H1S Life on Other Worlds

Instructor(s): S. Rucinski

Enr: 297	Resp: 87							Retake: 57%
	1	2	3	4	5	6	7	Mean
Presents	1	2	6	15	36	32	6	5.0
Explains	1	1	7	29	36	18	5	4.8
Communicates	3	7	8	25	26	27	2	4.5
Teaching	2	2	4	23	34	29	3	4.9
Workload	2	7	24	53	10	2	0	3.7
Difficulty	2	4	27	53	10	0	1	3.7
Learn Exp	0	7	10	44	26	6	4	4.3

Some students felt that the lectures were a little disorganized, and that the material on the test was unrelated to what was taught in lectures. Most commented that a break in the two hour lecture would have been beneficial.

AST 320H1S Introduction to Astrophysics

Instructor(s): M. van Kerkwijk

Enr: 14	Resp: 11							Retake: 72%
	1	2	3	4	5	6	7	Mean
Presents	0	9	0	0	54	27	9	5.2
Explains	0	0	9	27	27	36	0	4.9
Communicates	0	0	0	0	18	54	27	6.1
Teaching	0	0	0	27	18	45	9	5.4
Workload	0	0	0	45	18	27	9	5.0
Difficulty	0	0	0	36	18	27	18	5.3
Learn Exp	0	10	0	30	50	10	0	4.5

The material presented was very interesting, though many felt the lectures were rushed, and that too much extra and overly advanced material was crammed into lectures.

Students felt that there were far too many problem sets and that the questions therein presented too much new (non-lecture) material.

PHY 100H1F The Magic of Physics

Instructor(s): V. Deyirmenjian

Enr: 177	Resp: 85							Retake: 86%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	2	15	42	39	6.2
Explains	0	0	1	2	7	43	45	6.3
Communicates	0	0	0	1	2	9	86	6.8
Teaching	0	0	0	1	9	33	55	6.4
Workload	0	7	20	57	9	3	1	3.9
Difficulty	0	6	12	59	12	9	0	4.1
Learn Exp	0	0	0	19	26	35	19	5.5

Deyirmenjian was described as an exceptional lecturer who effectively communicated difficult material with simple delivery and great enthusiasm.

Some students found the assignment questions to be vague and would have appreciated posted solutions. Most students, however, stated that the course was very enjoyable and informative.

PHY 131H1F Introduction to Physics I

Instructor(s): V. Deyirmenjian; S. Morris

Enr: 898	Resp: 413							Retake: 50%
	1	2	3	4	5	6	7	Mean
<u>Deyirmenjian:</u>								
Presents	0	0	5	16	27	31	17	5.4
Explains	1	2	4	16	25	29	19	5.3
Communicates	0	0	0	3	10	26	58	6.4
Teaching	0	0	3	12	25	33	22	5.5

Morris:

Presents	0	0	3	13	29	35	17	5.5
Explains	0	1	5	13	25	32	20	5.4
Communicates	0	0	0	4	13	33	47	6.2
Teaching	0	0	1	13	25	34	23	5.6
<u>Course:</u>								
Workload	0	0	4	38	28	18	8	4.8
Difficulty	0	0	3	29	27	27	10	5.1
Learn Exp	2	2	8	36	29	15	5	4.6

Deyirmenjian was described as very enthusiastic and enjoyable, and the demonstrations were appreciated.

Morris was enthusiastic and informative, and most students expressed enjoyment of the lectures and demonstrations.

Some students commented that they felt both lecturers went at too fast a pace. There was general consensus that more lecture time should have been devoted to solving examples.

Some felt that the term test did not reflect the material learned, and many students commented that they would have preferred more tests. The tutorials were seen as very useful and informative. Some expressed enjoyment of the pilot labs, though others felt that they were marked harshly.

PHY 131H1S Introduction to Physics I

Instructor(s): J. Harlow

Enr: 960	Resp: 60							Retake: 55%
	1	2	3	4	5	6	7	Mean
Presents	1	0	1	18	20	21	36	5.7
Explains	1	3	1	13	25	20	33	5.5
Communicates	1	0	1	10	13	18	55	6.1
Teaching	1	0	3	10	23	20	40	5.8
Workload	1	1	3	38	27	13	13	4.8
Difficulty	0	3	0	33	28	18	15	5.1
Learn Exp	6	0	8	21	19	29	14	5.0

Harlow was described as a nice instructor who explained the concepts clearly.

The course was informative, however, the textbook was not liked by students. The course was described as too hard for students with no background in physics.

PHY 132H1S Introduction to Physics II

Instructor(s): K. Strong

Enr: 559	Resp: 512							Retake: 28%
	1	2	3	4	5	6	7	Mean
Presents	1	2	4	19	34	25	11	5.0
Explains	2	2	6	22	32	22	11	4.9
Communicates	1	1	5	18	29	29	15	5.2
Teaching	1	2	5	21	31	27	10	5.0
Workload	1	1	1	24	32	25	13	5.2
Difficulty	0	0	0	19	24	32	21	5.5
Learn Exp	7	6	9	39	20	11	4	4.1

Strong was described as enthusiastic, but had trouble keeping the class focussed. Her lectures were well-organized, however.

Many felt that the marking scheme for the practicals and tests were unfair, especially with regards to the weighting of multiple choice questions. Many felt more time should have been devoted to hard topics, such as relativity.

PHY 151H1F Foundations of Physics

Instructor(s): S. Stanley

Enr: 124	Resp: 51							Retake: 97%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	4	6	20	68	6.5
Explains	0	0	4	0	6	29	60	6.4
Communicates	0	0	0	2	29	60	48	6.4
Teaching	0	0	0	0	8	24	67	6.6
Workload	0	0	10	43	28	6	10	4.6

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Difficulty	0	4	8	34	38	8	6	4.6
Learn Exp	0	0	0	12	21	36	29	5.8

Stanley was described as a fantastic and kind instructor. She was always available for student questions and was very welcoming.

The course was enjoyed by almost all students, but they said they would have benefitted from more practical problems in lectures to help with the problem sets. Overall, a very popular course.

PHY 152H1S Foundations of Physics II

Instructor(s): S. Julian

Enr: 91	Resp: 66							Retake: 78%
	1	2	3	4	5	6	7	Mean
Presents	0	1	3	7	20	29	37	5.9
Explains	0	3	7	20	24	24	20	5.2
Communicates	0	4	4	4	26	26	33	5.7
Teaching	0	0	1	9	22	41	25	5.8
Workload	1	0	1	28	39	20	1	4.9
Difficulty	3	0	3	25	31	26	6	5.0
Learn Exp	0	0	3	24	25	38	7	5.2

Julian was described as a well-organized instructor who answered students' questions effectively. However, he spent more time on the history of physics than providing examples.

The textbook was not liked by many of the students.

PHY 189H1S Physics at the Cutting Edge

Instructor(s): D. Miller

Enr: 20	Resp: 15							Retake: 84%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	20	46	20	13	5.3
Explains	0	0	0	6	26	33	60	5.9
Communicates	0	0	0	0	6	33	60	6.5
Teaching	0	0	0	6	20	33	40	6.1
Workload	0	13	33	46	6	0	0	3.5
Difficulty	0	7	14	35	28	14	0	4.3
Learn Exp	0	0	0	9	18	45	27	5.9

Miller was described as a very knowledgeable instructor. The course was described as interesting, helpful in developing a sense of writing scientific papers.

PHY 205H1S Physics of Everyday Life

Instructor(s): K. Walker

Enr: 186	Resp: 66							Retake: 77%
	1	2	3	4	5	6	7	Mean
Presents	0	0	1	12	13	43	29	5.9
Explains	0	0	3	7	16	40	31	5.9
Communicates	0	1	0	7	13	34	42	6.1
Teaching	0	0	1	9	16	39	33	5.9
Workload	0	4	12	45	21	7	7	4.4
Difficulty	0	1	21	51	9	10	4	4.2
Learn Exp	0	3	5	23	29	27	10	5.0

Walker was described as enthusiastic, and explained concepts clearly, with well-organized lectures.

Most students found the material to be interesting, but some felt the workload was too high for a 200-level course. Many did not appreciate the need for iClickers.

PHY 238Y1Y Physics for the Life Sciences II

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

Enr: 31	Resp: 19							Retake: 84%
	1	2	3	4	5	6	7	Mean
<u>Serbanescu:</u>								
Presents	0	0	0	0	15	36	47	6.3
Explains	0	0	0	0	15	36	47	6.3
Communicates	0	0	0	0	42	0	57	6.2

Teaching	0	0	0	0	21	26	52	6.3
<u>Kushner:</u>								
Presents	0	0	0	5	21	31	42	6.1
Explains	0	0	0	10	21	21	47	6.1
Communicates	0	0	0	0	26	15	57	6.3
Teaching	0	0	0	0	26	15	57	6.3
<u>Course:</u>								
Workload	0	5	21	63	5	0	5	3.9
Difficulty	0	10	15	52	10	5	5	4.0
Learn Exp	0	0	0	8	25	41	25	5.8

Serbanescu was a helpful and organized instructor who gave clear answers to students' questions.

Kushner was described as a good instructor, however, he was a little disorganized at times.

This course was described as fun and informative.

PHY 251H1S Electricity and Magnetism

Instructor(s): P. Krieger

Enr: 107	Resp: 54							Retake: 75%
	1	2	3	4	5	6	7	Mean
Presents	1	1	3	19	32	25	15	5.2
Explains	1	0	9	26	26	25	9	4.9
Communicates	3	5	9	21	25	27	5	4.6
Teaching	0	0	9	15	32	36	5	5.1
Workload	0	0	5	65	17	11	0	4.3
Difficulty	0	0	3	51	25	13	5	4.7
Learn Exp	2	0	2	43	31	15	4	4.7

Krieger was said to cover the required material in great detail, though some students felt the lectures moved too quickly and had trouble keeping up with note-taking. Many thought examples not derived from the textbook would have been helpful.

PHY 252H1S Thermal Physics

Instructor(s): E. Poppitz

Enr: 94	Resp: 47							Retake: 76%
	1	2	3	4	5	6	7	Mean
Presents	2	4	10	10	34	26	10	4.9
Explains	2	0	10	10	34	30	10	5.1
Communicates	2	0	2	6	21	32	34	5.8
Teaching	2	0	4	13	26	45	8	5.3
Workload	0	0	4	76	13	6	0	4.2
Difficulty	0	0	4	65	19	8	2	4.4
Learn Exp	2	0	2	32	40	16	5	4.8

Poppitz was described as interesting, though some felt the lectures were rushed and a bit disorganized. His enthusiasm, however, helped convey the material.

Many felt it was unfair that not all of the problem set questions were marked.

PHY 255H1F Oscillations and Waves

Instructor(s): P. Kushner

Enr: 79	Resp: 52							Retake: 46%
	1	2	3	4	5	6	7	Mean
Presents	0	3	11	23	37	11	11	4.8
Explains	1	7	9	35	27	11	5	4.4
Communicates	0	0	1	13	33	43	7	5.4
Teaching	0	1	9	23	49	9	5	4.7
Workload	0	0	3	21	29	41	3	5.2
Difficulty	0	0	3	15	37	21	21	5.4
Learn Exp	9	9	11	38	20	6	4	3.9

Kushner was described as a kind instructor who cared for his students' learning. He was available to answer questions and tried to help students in need.

The course load was excessive and students felt there was too much material for a half-credit course. The lectures moved too quickly for some

students and many complained that they did not have the proper background for all the material covered.

PHY 307H1F Introduction to Computational Physics

Instructor(s): B. Holdom

Enr: 22		Resp: 23					Retake: 57%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	4	9	47	19	19	5.4
Explains	0	0	0	27	27	27	18	5.4
Communicates	0	0	9	9	31	40	9	5.3
Teaching	0	0	0	9	40	31	18	5.6
Workload	0	9	27	50	9	4	0	3.7
Difficulty	0	4	9	47	23	9	4	4.4
Learn Exp	0	0	11	17	23	29	17	5.2

Holdom was described as a good lecturer but not very enthusiastic. The grading scheme was not popular, and students said they would have benefitted from more examples in class and less forced partner work.

PHY 308/408H1S Time Series Analysis

Instructor(s): Q. Liu

Enr: 12		Resp: 12					Retake: 100%	
	1	2	3	4	5	6	7	Mean
Presents	0	8	16	16	25	25	8	4.7
Explains	0	8	8	33	16	16	16	4.8
Communicates	0	0	8	16	25	41	8	5.2
Teaching	0	0	8	25	33	25	8	5.0
Workload	0	0	16	33	33	16	0	4.5
Difficulty	0	8	0	66	16	8	0	4.2
Learn Exp	0	0	10	0	50	30	10	5.3

Many felt Liu was very friendly, and helpful in a one-on-one manner, but said lectures were a bit disorganized and felt rushed at times.

Students felt more in-depth explanations of MATLAB programming techniques would have been instructive.

PHY 315H1S Radiation in Planetary Atmospheres

Instructor(s): K. Strong

Enr: 11		Resp: 6					Retake: 60%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	16	16	50	16	5.7
Explains	0	0	16	16	16	50	0	5.0
Communicates	0	0	0	16	0	50	33	6.0
Teaching	0	0	0	0	33	50	16	5.8
Workload	0	0	0	50	33	0	16	4.8
Difficulty	0	0	0	33	33	16	16	5.2
Learn Exp	0	0	0	25	75	0	0	4.8

Students found Strong's lectures to be interesting, but some felt they were too dense and sometimes rushed.

Some students felt more examples would have been helpful.

PHY 346H1S Intermediate Biophysics

Instructor(s): W. Ryu

Enr: 15		Resp: 9					Retake: 88%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	22	0	55	22	0	4.8
Explains	11	0	0	33	11	33	11	4.8
Communicates	0	0	0	11	22	44	22	5.8
Teaching	0	11	0	22	33	33	0	4.8
Workload	0	0	22	55	11	0	11	4.2
Difficulty	0	0	0	33	33	22	11	5.1
Learn Exp	0	12	0	50	25	12	0	4.2

Ryu was seen as enthusiastic, but many felt the lectures proceeded too quickly, and that the material was rushed and lacked overall coherence.

Many students felt that regular tutorials would have been helpful, as well as recommended problems from the text.

PHY 351H1S Classical Mechanics

Instructor(s): E. Poppitz

Enr: 83		Resp: 39					Retake: 84%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	7	7	30	28	25	5.6
Explains	0	0	7	5	41	20	25	5.5
Communicates	0	0	2	2	15	25	53	6.3
Teaching	0	0	2	7	23	43	23	5.8
Workload	0	0	0	34	34	31	0	5.0
Difficulty	2	0	0	7	47	39	2	5.3
Learn Exp	0	0	2	17	37	31	11	5.3

Poppitz was described as enthusiastic and well-organized, though some felt the lectures went too fast at times.

Most students enjoyed the material, though many felt the problem sets were unfair considering their length and difficulty coupled with the fact that only a few questions were marked.

PHY 353H1S Electromagnetic Waves

Instructor(s): D. Jones

Enr: 34		Resp: 7					Retake: 42%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	16	0	16	33	33	5.7
Explains	0	14	14	14	14	14	28	4.9
Communicates	0	14	0	28	14	14	28	5.0
Teaching	0	0	14	14	28	0	42	5.4
Workload	0	14	0	57	14	0	14	4.3
Difficulty	0	0	0	42	14	0	42	5.4
Learn Exp	0	0	28	0	14	28	28	5.3

Students felt Jones was both clear in his explanations and organized with regards to lectures, though some would have preferred lectures/examples to vary from the text a little more.

Many enjoyed the lectures that involved demonstrations.

PHY 355H1F Quantum Mechanics

Instructor(s): D. James

Enr: 92		Resp: 69					Retake: 72%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	1	5	30	42	19	5.7
Explains	1	1	4	22	30	28	10	5.1
Communicates	0	0	0	2	8	37	50	6.4
Teaching	0	0	1	5	20	49	23	5.9
Workload	0	1	1	33	32	18	12	5.0
Difficulty	0	0	0	16	22	30	30	5.7
Learn Exp	0	3	11	26	26	26	5	4.8

James was described as an enthusiastic and knowledgeable instructor. He was a well-liked instructor but sometimes students felt he tried to cover too much material in a single lecture.

The course load was heavy and students found the textbook and pop quizzes unhelpful - but overall, students enjoyed the course.

PHY 357H1S Nuclear and Particle Physics

Instructor(s): R. Orr

Enr: 22		Resp: 10					Retake: 80%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	10	20	30	30	10	5.1
Explains	0	0	10	20	40	20	10	5.0
Communicates	0	0	0	0	40	20	40	6.0
Teaching	0	0	0	20	40	30	10	5.3
Workload	0	0	0	70	20	10	0	4.4
Difficulty	0	0	0	50	30	20	0	4.7
Learn Exp	0	0	0	33	44	22	0	4.9

Orr was viewed as enthusiastic, and his lectures were enjoyable. Most felt that the textbook was not helpful at all. Some students would have preferred problem to be solved during tutorials.

PHY 359H1S Physics of the Earth

Instructor(s): S. Stanley

Enr: 38	Resp: 32							Retake: 96%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	9	43	46	6.4
Explains	0	0	0	3	15	28	53	6.4
Communicates	0	0	0	0	12	25	62	6.5
Teaching	0	0	0	0	9	31	59	6.5
Workload	3	3	9	65	15	3	0	4.0
Difficulty	3	0	15	46	31	3	0	4.1
Learn Exp	0	0	0	12	29	41	16	5.6

Stanley was very well-organized, approachable and friendly. Many commented on her willingness to provide extra help, and explain concepts clearly when questions were asked.

Students generally found the course interesting, and though some felt the problem sets were a bit long, the content of the problem sets and midterm were seen as reasonable.

PHY 407H1F Introduction to Computational Physics

Instructor(s): B. Holdom

Enr: 29	Resp: 6							Retake: 80%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	66	16	0	16	4.7
Explains	0	0	0	0	50	33	16	5.7
Communicates	0	0	0	0	50	50	0	5.5
Teaching	0	0	0	16	33	33	16	5.5
Workload	0	16	50	0	33	0	0	3.5
Difficulty	0	16	16	33	33	0	0	3.8
Learn Exp	0	0	0	25	25	25	25	5.5

PHY 457H1F Quantum Mechanics II

Instructor(s): J. Sipe

Enr: 45	Resp: 26							Retake: 100%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	12	32	56	6.4
Explains	0	0	0	4	16	20	58	6.3
Communicates	0	0	0	0	0	25	75	6.8
Teaching	0	0	0	0	8	20	70	6.6
Workload	0	0	4	25	37	12	20	5.2
Difficulty	0	0	4	8	37	29	20	5.5
Learn Exp	0	0	0	10	30	20	40	5.9

Sipe was described as an incredible instructor who taught with a lot of enthusiasm. Many students commented that Sipe was one of their favourite instructors at UofT. He was very helpful and enjoyed talking with students.

The course was described as difficult and the work, at times, was overwhelming. Despite this, everyone really enjoyed the class and the course material.

PHY 459H1S Macroscopic Physics

Instructor(s): D. Jones

Enr: 15	Resp: 11							Retake: 88%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	27	36	18	18	5.3
Explains	0	0	0	9	45	18	27	5.6
Communicates	0	0	0	0	0	27	72	6.7
Teaching	0	0	0	0	27	45	27	6.0
Workload	0	9	9	63	9	9	0	4.0
Difficulty	0	9	0	36	45	0	9	4.5
Learn Exp	0	0	0	25	37	25	12	5.2

Jones was described as very enthusiastic and knowledgeable, and was praised for mentioning applications to the theories being studied.

PHY 483H1F Relativity Theory I

Instructor(s): C. Dyer

Enr: 37	Resp: 22							Retake: 77%
	1	2	3	4	5	6	7	Mean
Presents	0	9	9	13	22	18	27	5.1
Explains	9	0	9	4	31	27	18	5.0
Communicates	0	0	4	0	4	31	59	6.4
Teaching	0	0	9	9	4	36	40	5.9
Workload	0	4	4	27	36	13	13	4.9
Difficulty	0	0	4	9	31	31	22	5.6
Learn Exp	0	5	15	20	15	20	25	5.1

Dyer was well-liked. Students found the material difficult and said they would have benefitted from a single required text. However, the online notes were very helpful.

Overall, students enjoyed the course.

PHY 484H1S Relativity Theory II

Instructor(s): C. Dyer

Enr: 9	Resp: 9							Retake: 100%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	22	33	33	11	5.3
Explains	0	0	0	12	37	25	25	5.6
Communicates	0	0	0	0	0	62	37	6.4
Teaching	0	0	0	0	22	44	33	6.1
Workload	0	0	11	66	22	0	0	4.1
Difficulty	0	0	0	33	33	33	0	5.0
Learn Exp	0	0	0	0	50	33	16	5.7

Students thoroughly enjoyed the course.

PHY 485H1F Modern Optics

Instructor(s): B. Marjoribanks

Enr: 15	Resp: 13							Retake: 54%
	1	2	3	4	5	6	7	Mean
Presents	0	7	7	23	23	30	7	4.8
Explains	0	0	15	0	23	53	7	5.4
Communicates	0	0	0	7	0	46	46	6.3
Teaching	0	8	0	16	25	41	8	5.2
Workload	0	0	8	41	25	25	0	4.7
Difficulty	0	0	7	15	38	23	15	5.2
Learn Exp	0	9	18	27	9	36	0	4.5

Marjoribanks was described as an interesting instructor who liked to engage the class with lots of demonstrations and real world examples.

Many students disliked the discord between the difficulty of the material on problem sets and tests versus the relatively simple material covered in lectures. Students said they would have benefitted from more theory in lecture. Also, many students claimed the midterm was handed back too late to be useful.

PHY 489H1S Introduction to High Energy Physics

Instructor(s): P. Krieger

Enr: 15	Resp: 9							Retake: 66%
	1	2	3	4	5	6	7	Mean
Presents	0	0	22	11	55	11	0	4.6
Explains	0	0	22	44	11	22	0	4.3
Communicates	0	11	11	44	33	0	0	4.0
Teaching	0	0	11	55	0	33	0	4.6
Workload	0	0	11	66	11	11	0	4.2
Difficulty	0	0	0	55	22	22	0	4.7
Learn Exp	0	0	22	33	22	22	0	4.4

PHY 491H1S Current Interpretations of Quantum Mechanics

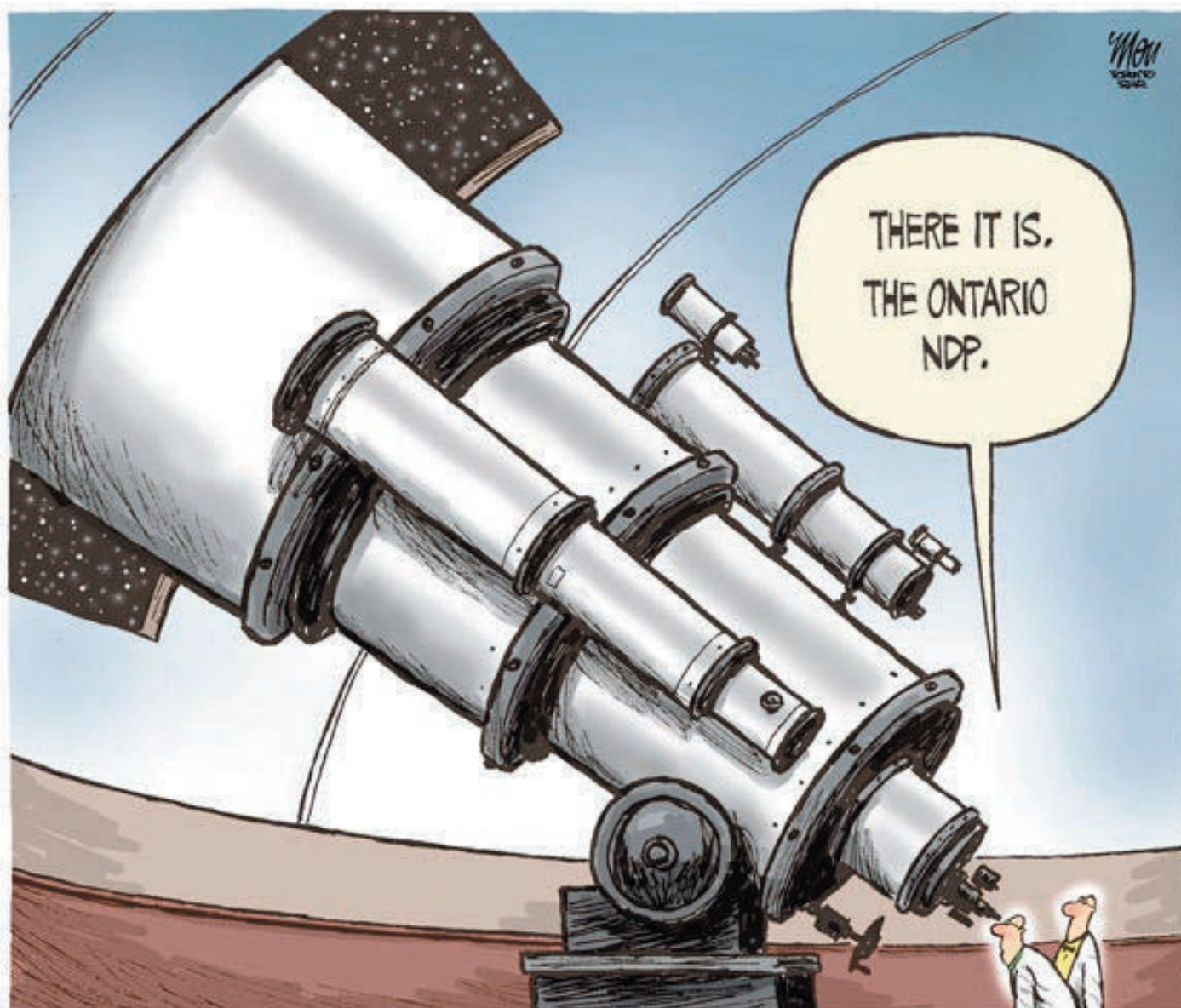
Instructor(s): G. Bertoldi

Enr: 9	Resp: 5							Retake: 60%
	1	2	3	4	5	6	7	Mean
Presents	0	0	20	80	0	0	0	3.8
Explains	0	0	40	40	20	0	0	3.8
Communicates	0	0	0	20	60	20	0	5.0
Teaching	0	0	40	40	20	0	0	3.8
Workload	0	0	20	60	20	0	0	4.0
Difficulty	0	0	0	80	20	0	0	4.2
Learn Exp	0	0	20	60	20	0	0	4.0

PHY 498H1F Advanced Atmospheric Physics

Instructor(s): K. Moore

Enr: 12	Resp: 5							Retake: 66%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	75	25	0	5.2
Explains	0	0	0	0	75	25	0	5.2
Communicates	0	0	0	0	25	75	0	5.8
Teaching	0	0	0	0	75	25	0	5.2
Workload	0	0	25	75	0	0	0	3.8
Difficulty	0	0	0	75	25	0	0	4.2
Learn Exp	0	0	0	75	25	0	0	4.2



NEW: Tuition payment or fees deferral must be made by Wednesday, August 19th!!

NEW: "Virtual Monday" – Wednesday, November 11th – on this day Monday classes will be held; no regularly scheduled Wednesday classes.

NEW: Fall Break – November 12-13 – no classes will be held

NEW: A new limited policy on Late Withdrawal (LWD) is available for students in difficulty. See the Calendar, page 537 for details.

NEW: Students may now take one credit in their degree as Credit/NoCredit (CR/NCR). See the Calendar, page 537 for details.