# **COMPUTER SCIENCE STUDENTS' UNION**



Introduction

The Computer Science Students' Union (CSSU) holds events for students who are in the Computer Science program. To get in touch with the CSSU, visit their office in the Bahen Centre, Rm 2283, or email them at cssu@cdf.utoronto.ca.

#### Editor

# CSC 104H1S The Why and How of Computing

Instructor(s): A. Rosenthal

Enr: 148	Resp: 44					Reta	ke: 73%	
	1	2	3	4	5	6	7	Mean
Presents	0	2	9	15	38	31	2	5.0
Explains	0	0	4	16	41	32	4	5.2
Communicates	0	0	2	13	18	41	23	5.7
Teaching	0	2	0	25	23	44	4	5.2
Workload	0	11	16	52	19	0	0	3.8
Difficulty	0	4	19	42	16	11	4	4.3
Learn Exp	2	5	2	48	25	8	5	4.4

Most students felt Rosenthal was an effective instructor who was very approachable and responded to emails promptly. Feelings on the course itself varied. Some enjoyed the course very much, while others criticized it as being difficult, and the knowledge acquired not very practical. The assignments were regarded as very difficult and the pace of the course too quick at times. Students felt more web page notes and more organized lectures, as well as in-lab demos would have improved the course.

# CSC 108H1F Introduction to Computer Programming

Instructor(s): J. Campbell

Enr: 158		Resp: 74				Reta	ke: 64%	
	1	2	3	4	5	6	7	Mean
Presents	1	0	1	10	24	33	28	5.7
Explains	2	0	0	10	22	41	22	5.7
Communicates	0	2	4	2	23	33	32	5.8
Teaching	1	4	0	5	22	39	26	5.7
Workload	2	1	4	36	20	25	9	4.8
Difficulty	4	1	7	35	30	14	7	4.6
Learn Exp	8	1	8	28	22	20	10	4.6

The class seemed to be divided between those students who had past programming experience and those who had no experience. The beginner programmers found the course to be really fast-paced and difficult. Overall, the students considered Campbell to be a good instructor.

#### Instructor(s): J. Campbell

Enr: 108		Res	sp: 53			Reta	ke: 64%	
	1	2	3	4	5	6	7	Mean
Presents	0	1	0	5	31	23	37	5.9
Explains	1	0	0	5	23	33	35	5.9
Communicates	0	0	1	7	11	29	49	6.2
Teaching	0	1	0	3	25	28	40	6.0
Workload	1	1	3	30	30	21	9	4.9
Difficulty	3	1	3	44	19	11	15	4.7
Learn Exp	0	2	2	37	23	27	6	4.9

Campbell was enthusiastic about the material and made the lectures interesting. She was also available outside of class hours to answer questions. Some students felt the assignments were not directly related to what was taught in class.

# Instructor(s): P. Gries

Enr: 100		Res	sp: 51			Reta	ke: 65%	6
	1	2	3	4	5	6	7	Mean
Presents	0	0	2	2	18	20	57	6.3
Explains	0	2	0	0	12	31	54	6.3
Communicates	0	0	0	2	8	14	75	6.6
Teaching	0	0	0	4	8	29	58	6.4
Workload	0	0	0	28	12	36	24	5.6
Difficulty	0	0	5	27	15	23	27	5.4
Learn Exp	0	0	2	23	23	30	20	5.4

Students felt that Gries was an enthusiastic and approachable instructor. He took the time to assist students in need and explained concepts clearly. Students also found his sense of humour to be uplifting. A few students felt that the assignments were lengthy and difficult.

# CSC 108H1S Introduction to Computer Programming

Instructor(s): J. Campbell

Enr: 85		Res	sp: 26			Retake: 73%			
	1	2	3	4	5	6	7	Mean	
Presents	0	0	0	0	32	44	24	5.9	
Explains	0	0	0	4	32	40	24	5.8	
Communicates	0	0	0	0	16	33	50	6.3	
Teaching	0	0	0	0	20	52	28	6.1	
Workload	0	0	0	40	40	18	0	4.8	
Difficulty	0	0	4	45	31	13	4	4.7	
Learn Exp	0	0	0	25	25	31	18	5.4	

Campbell was an enthusiastic instructor. She was easy to approach and friendly. Students thought that the textbook was not useful at all.

#### CSC 148H1F Introduction to Computer Science

Instructor(s): A. Jepson

Enr: 78		Res	sp: 43			Reta	ke: 59%	
	1	2	3	4	5	6	7	Mean
Presents	0	2	7	18	28	36	5	5.1
Explains	2	2	7	23	23	33	7	4.9
Communicates	5	2	7	22	27	25	10	4.8
Teaching	0	5	5	26	28	26	7	4.9
Workload	0	0	0	47	23	23	5	4.9
Difficulty	0	0	0	41	35	17	5	4.9
Learn Exp	0	12	0	46	18	9	12	4.5

Students complained that the assignments took too long to be marked and returned. The course notes were very good and students found the instructor to be helpful and humorous.

#### CSC 148H1S Introduction to Computer Science

Instructor(s): M. Chechik

Enr: 121	Resp: 46					Reta	ke: 78%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	4	17	24	26	26	5.5
Explains	0	2	2	18	27	27	22	5.4
Communicates	0	2	0	8	33	26	28	5.7
Teaching	0	2	2	16	27	32	18	5.4
Workload	0	0	9	44	23	13	9	4.7
Difficulty	2	0	6	31	25	27	6	4.9
Learn Exp	0	0	2	22	37	28	8	5.2

Chechik was generally a good instructor who tried to teach the material well. Students felt that she didn't always answer questions in a straightforward and clear manner. The midterm was too long.

#### Instructor(s): J. Clarke

Enr: 82	Resp: 38					Reta	ke: 74%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	5	11	33	30	19	5.5
Explains	0	0	0	8	35	32	24	5.7
Communicates	0	0	0	5	29	29	35	5.9
Teaching	0	0	0	11	30	27	30	5.8
Workload	0	0	2	48	31	14	2	4.7
Difficulty	0	2	5	52	16	19	2	4.5
Learn Exp	0	0	0	17	46	14	21	5.4

Clarke was seen as a good instructor who was highly enthusiastic and dedicated to teaching the material so that everyone understood it.

CSC 165H1F Mathematical Expression and Reasoning for Computer Science

Instructor(s): J. Campbell

Enr: 93	Resp: 42					Reta	ike: 51%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	10	17	38	33	5.9
Explains	2	2	10	12	32	25	15	5.1
Communicates	2	0	2	7	28	34	23	5.6
Teaching	0	0	7	7	23	35	25	5.6
Workload	0	5	7	52	12	17	5	4.4
Difficulty	2	0	5	30	25	30	7	4.9
Learn Exp	2	6	3	34	17	24	10	4.7

Campbell was a good and enthusiastic instructor who breathed life into very difficult material. The only complaint came from the lack of a textbook.

# CSC 207H1F Software Design

Instructor(s): M. Craig; P. Gries

Enr: 100		Resp: 59				Retake: 87%		
	1	2	3	4	5	6	7	Mean
Craig:								
Presents	3	3	1	17	31	25	17	5.2
Explains	1	0	5	20	34	31	6	5.1
Communicates	1	0	3	14	22	35	22	5.5
Teaching	3	0	5	13	29	36	12	5.2
Gries:								
Presents	3	0	3	15	20	39	17	5.4
Explains	1	0	1	15	25	41	13	5.4
Communicates	1	0	1	5	8	42	40	6.1
Teaching	3	0	3	5	15	50	22	5.7
Course:								
Workload	0	0	6	24	17	31	20	5.3
Difficulty	0	1	5	27	24	36	5	5.0
Learn Exp	2	2	0	15	42	28	8	5.2

Both instructors were considered good lecturers. However, assignment specifications were often unclear, and very little feedback was given on marked midterms and assignments. Overall, students felt the course was a good learning experience. It would have been preferable if the instructors held their office hours on separate days.

# Instructor(s): P. Gries; M. Craig

Enr: 61		Re	sp: 39	)		Reta	ke: 75%	0		
	1	2	3	4	5	6	7	Mean		
<u>Gries</u> :										
Presents	5	0	2	5	23	36	26	5.6		
Explains	0	0	5	7	18	44	23	5.7		
Communicates	0	0	0	10	26	23	39	5.9		
Teaching	0	0	2	2	33	33	27	5.8		
Craig:										
Presents	5	0	2	5	21	39	26	5.6		
Explains	0	0	5	10	10	44	28	5.8		
Communicates	0	0	2	5	21	28	42	6.0		
Teaching	0	0	2	8	16	44	27	5.9		
Course:										
Workload	0	2	5	37	32	16	5	4.7		
Difficulty	0	0	13	43	29	10	2	4.5		
Learn Exp	2	0	2	17	26	41	8	5.2		

Students thought the instructors were good lecturers and enthusiastic.

## CSC 207H1S Software Design

Instructor(s): P. Gries

Enr: 76		Res	sp: 34			Reta	ke: 78%	7     Mean       7     5.9       1     5.8       4     6.4       8     5.9		
	1	2	3	4	5	6	7	Mean		
Presents	0	0	3	12	9	37	37	5.9		
Explains	0	0	0	9	18	50	21	5.8		
Communicates	0	0	0	6	9	19	64	6.4		
Teaching	0	3	0	6	9	53	28	5.9		
Workload	0	0	3	39	18	21	18	5.1		
Difficulty	0	2	2	41	32	11	8	4.7		
Learn Exp	0	0	3	30	19	26	19	5.3		

Most students showed no restraints in the praise they showed Gries, calling him "my hero" and a "gangstah". Many enjoyed his teaching style. Students generally found the midterm very long and difficult.

## CSC 209H1F Software Tools and Systems Programming

Instructor(s): A. Rosenthal

Enr: 62		Resp: 26 Retake: 75%					, D	
	1	2	3	4	5	6	7	Mean
Presents	0	0	11	19	11	26	30	5.5
Explains	0	0	11	0	15	46	26	5.8
Communicates	0	0	7	11	15	34	30	5.7
Teaching	0	0	4	4	36	40	16	5.6
Workload	0	0	3	65	19	3	7	4.5
Difficulty	0	0	3	46	34	15	0	4.6
Learn Exp	0	0	4	42	19	28	4	4.9

Students found that Rosenthal was knowledgeable and enthusiastic, but felt that lectures were too dense. Students liked that he replied to emails quickly. A few felt that the assignments were marked slowly.

#### CSC 209H1S Software Tools and Systems Programming

Instructor(s): K. Reid

Enr: 126		Res	sp: 70		Retake: 86%			
	1	2	3	4	5	6	7	Mean
Presents	0	0	2	5	32	33	25	5.7
Explains	0	4	2	11	33	36	11	5.3
Communicates	1	1	2	5	27	33	27	5.7
Teaching	0	0	4	7	31	36	20	5.6
Workload	0	2	0	52	25	14	4	4.6
Difficulty	0	4	1	51	23	13	5	4.6
Learn Exp	0	0	3	35	27	23	10	5.0

# 30 COMPUTER SCIENCE

Generally students liked Reid. They found the lectures useful and insightful. She was always available for individual consultation.

There were complaints that the assignments were too difficult, that the TAs were hard to understand and the tutorial material simply a rehash of what was taught in lectures.

## Instructor(s): K. Reid

Enr: 20	Resp: 11					Reta	ike: 86%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	27	36	27	9	5.2
Explains	0	0	9	36	18	36	0	4.8
Communicates	0	0	0	0	45	36	18	5.7
Teaching	0	0	0	36	18	45	0	5.1
Workload	0	0	0	36	36	18	9	5.0
Difficulty	0	0	0	45	9	9	36	5.4
Learn Exp	0	0	0	27	45	27	0	5.0

Students generally liked Reid. Some bemoaned that the assignments were too difficult, and were not returned before the next assignment.

There were some complaints about the term test, quality of TAs and the use of slides versus the blackboard.

#### CSC 236H1F Introduction to the Theory of Computation

Instructor(s): A. Rosenthal

Enr: 92	Resp: 46					Reta	ke: 36%	
	1	2	3	4	5	6	7	Mean
Presents	0	2	2	24	33	26	11	5.1
Explains	0	2	13	28	36	15	4	4.6
Communicates	0	0	0	34	34	23	6	5.0
Teaching	0	0	6	19	43	28	2	5.0
Workload	0	0	0	32	30	26	10	5.2
Difficulty	0	0	0	21	32	26	19	5.4
Learn Exp	5	2	5	41	28	15	2	4.4

Rosenthal was commended by students for his enthusiasm. Many would've liked examples that more accurately reflected the difficulty level of the assignments. Many complained that the midterm was too difficult, and was marked harder than the assignments. A few students complained that lectures often veered off topic. The textbook was regarded as comprehensive but overly complicated and sometimes hard to understand.

# CSC 240H1S Enriched Introduction to the Theory of Computation

Instructor(s): D. Corneil

Enr: 25	Resp: 15					Reta	ke: 61%	
	1	2	3	4	5	6	7	Mean
Presents	0	6	0	0	13	53	26	5.9
Explains	0	0	6	0	26	33	33	5.9
Communicates	0	6	0	0	6	33	53	6.2
Teaching	0	0	6	0	13	26	53	6.2
Workload	0	0	0	38	23	15	23	5.2
Difficulty	0	0	0	38	23	15	23	5.2
Learn Exp	0	0	11	33	22	11	22	5.0

Corneil was a very good lecturer. He answered students' questions effectively and clearly. He also presented the course in a clear manner.

#### CSC 258H1F Computer Organization

Instructor(s): R. Hehner

Enr: 103	Resp: 56					Reta	ke: 51%	
	1	2	3	4	5	6	7	Mean
Presents	5	7	3	16	35	23	8	4.8
Explains	8	7	3	25	28	17	8	4.5
Communicates	3	5	5	14	28	26	16	5.0
Teaching	1	9	0	21	34	20	12	4.9
Workload	0	0	5	51	23	14	5	4.6
Difficulty	0	0	3	48	23	17	7	4.8
Learn Exp	2	0	11	23	39	11	11	4.8

#### Instructor(s): R. Hehner

Enr: 22		Res	sp: 11			Retake: 27%			
	1	2	3	4	5	6	7	Mean	
Presents	0	0	9	9	27	45	9	5.4	
Explains	0	0	9	9	36	36	9	5.3	
Communicates	0	0	0	18	27	36	18	5.5	
Teaching	0	0	0	18	9	54	18	5.7	
Workload	0	0	9	63	18	9	0	4.3	
Difficulty	0	0	9	45	27	18	0	4.5	
Learn Exp	0	0	0	20	30	40	10	5.4	

# CSC 258H1S Computer Organization

Instructor(s): A. Rosenthal

Enr: 76		Re	sp: 35	5		Reta	ke: 82%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	14	31	25	20	8	4.8
Explains	0	0	11	34	34	17	2	4.7
Communicates	0	0	2	17	28	37	14	5.4
Teaching	0	2	0	23	35	35	2	5.1
Workload	0	5	20	62	8	2	0	3.8
Difficulty	2	5	5	68	8	8	0	4.0
Learn Exp	0	0	6	36	36	20	0	4.7

Rosenthal was an enthusiastic lecturer. However, he did not provide notes on the board or use other resources to present the material in a clear manner. Even though he was knowledgeable with the course material, he was unable to demonstrate them to the students.

#### CSC 263H1S Data Structures and Analysis

Instructor(s): S. Toueg

Enr: 71		Resp: 30				Reta	ke: 51%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	3	0	20	46	30	6.0
Explains	0	0	3	6	13	46	30	5.9
Communicates	0	0	3	3	13	40	40	6.1
Teaching	0	0	3	3	24	44	24	5.8
Workload	3	0	3	41	27	20	3	4.7
Difficulty	3	3	3	23	30	23	13	5.0
Learn Exp	0	4	4	33	33	14	9	4.8

Students really liked Toueg and his enthusiasm for the difficult but very enjoyable subject. He explained the concepts very clearly. However, some students thought that the midterm and assignments were marked harshly.

## Instructor(s): S. Toueg

Enr: 124		Res	sp: 70	)	Retake: 60%			
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	4	25	28	41	6.1
Explains	0	0	0	8	19	32	38	6.0
Communicates	0	0	0	5	17	26	49	6.2
Teaching	0	0	0	10	20	30	38	6.0
Workload	0	1	1	30	44	13	8	4.9
Difficulty	0	0	4	27	38	20	8	5.0
Learn Exp	0	0	1	37	26	16	16	5.1

Toueg was an excellent instructor who explained the material and concepts clearly and at a reasonable pace. Despite the nature of the course (theory based), many students felt happy to have take it with Toueg since he presented the material in an interesting manner. Students felt that Toueg paid attention to the sequence of assignments. A few felt that the midterm questions were not marked fairly.

#### CSC 300H1F Computers and Society

Instructor(s): C. Gotlieb

Enr: 63		Re	sp: 24	Ļ		Reta	ke: 47%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	9	4	31	45	9	5.4
Explains	0	0	0	18	31	40	9	5.4
Communicates	0	0	0	13	50	27	9	5.3
Teaching	0	0	0	23	42	19	14	5.2
Workload	0	4	13	59	13	9	0	4.1
Difficulty	4	4	22	59	9	0	0	3.6
Learn Exp	0	0	5	70	11	11	0	4.3

#### CSC 309H1F Programming on the Web

Instructor(s): E. De Lara

Enr: 60		Resp: 27				Retak	e: 100%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	7	22	40	29	5.9
Explains	0	0	0	11	33	33	22	5.7
Communicates	0	0	0	11	22	44	22	5.8
Teaching	0	0	0	7	14	48	29	6.0
Workload	0	0	0	40	22	22	14	5.1
Difficulty	0	0	3	33	37	22	3	4.9
Learn Exp	0	0	0	15	21	36	26	5.7

Students enjoyed the use of the blackboard to explain the material. They also liked De Lara taking over the tutorials. They enjoyed individual assignments as opposed to group work. On the other hand, students felt that tests were too lengthy and they needed more time and instructions to set up the course software.

# CSC 309H1S Programming on the Web

Instructor(s): E. De Lara

Enr: 105	Resp: 41			Retake: 97%				
	1	2	3	4	5	6	7	Mean
Presents	0	0	2	12	32	37	15	5.5
Explains	0	2	0	15	30	46	5	5.3
Communicates	2	0	5	12	40	37	2	5.1
Teaching	2	0	2	7	37	42	7	5.3
Workload	0	0	0	20	23	46	10	5.5
Difficulty	0	0	5	37	30	25	2	4.5
Learn Exp	0	0	0	17	17	35	28	5.8

Even though De Lara was an understanding, approachable and helpful instructor, the students' learning experience was slightly marred by the high volume of work. Students required more TA hours for this course and more examples related to the course work.

CSC 318H1F	The Design	of Interactive	Computational	Media
------------	------------	----------------	---------------	-------

COC STORTE T	ne De	signi	JI IIIIe	acuv		πραια		ula
Instructor(s): R.	Baeck	ker						
Enr: 97		Re	sp: 40			Reta	ke: 70%	
	1	2	3	4	5	6	7	Mean
Presents	2	0	0	10	40	35	12	5.4
Explains	2	0	0	5	46	28	17	5.5
Communicates	2	0	5	10	37	37	7	5.2
Teaching	2	0	2	10	42	37	5	5.2
Workload	0	2	2	15	35	15	28	5.4
Difficulty	0	5	10	51	20	5	7	4.3
Learn Exp	2	5	2	31	22	20	14	4.8

Many students complained that the workload was too heavy, and that grading standards were not consistent across different tutorial sections. Some students felt that the lecture material was dry, and that the tests required too much memorization.

# CSC 318H1S The Design of Interactive Computational Media Instructor(s): I. Posner

	Resp: 37						
1	2	3	4	5	6	7	Mean
2	0	2	13	8	56	16	5.6
2	0	5	8	18	32	32	5.7
2	0	0	13	10	37	35	5.8
5	0	2	5	35	27	24	5.4
0	0	2	27	13	32	24	5.5
0	0	13	61	11	11	2	4.3
7	3	7	21	28	25	7	4.6
	2 2 5 0	1     2       2     0       2     0       5     0       0     0	1 2 3   2 0 2   2 0 5   2 0 0   5 0 2   0 0 2   0 0 13	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

Posner was an enthusiastic lecturer. However, some students commented that she wasn't approachable and didn't seem to like answering questions. The workload was quite heavy and the amount of readings was quite high. But, most of the material was common sense.

#### Instructor(s): I. Posner

Enr: 75		Re	sp: 60	)		Reta	ke: 49%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	6	26	30	25	11	5.1
Explains	0	1	8	21	31	21	15	5.1
Communicates	3	0	3	11	28	36	16	5.4
Teaching	1	0	1	25	35	26	10	5.1
Workload	0	0	3	20	29	29	17	5.4
Difficulty	1	6	13	53	13	3	6	4.1
Learn Exp	10	2	14	40	14	10	6	4.0

Students didn't enjoy the sheer number of slides especially when they didn't relate to the assignments. However, other students appreciated Posner's level of enthusiasm for the material and the hands on class exercises.

## CSC 320H1S Introduction to Visual Computing

Instructor(s): A. Jepson

Enr: 33	Resp: 9				Retake: 44%				
	1	2	3	4	5	6	7	Mean	
Presents	0	0	0	22	44	22	11	5.2	
Explains	0	11	11	11	33	22	11	4.8	
Communicates	0	0	22	11	11	44	11	5.1	
Teaching	0	11	0	11	22	44	11	5.2	
Workload	0	0	0	11	55	11	11	5.4	
Difficulty	0	0	0	0	22	33	44	6.2	
Learn Exp	0	25	0	25	12	25	12	4.5	

#### CSC 321H1S Introduction to Neural Networks and Machine Learning

Instructor(s): G. Hinton

Enr: 36	Resp: 24				Retake: 81%				
	1	2	3	4	5	6	7	Mean	
Presents	0	0	4	0	8	30	56	6.3	
Explains	0	0	8	12	4	20	54	6.0	
Communicates	0	0	0	0	8	13	78	6.7	
Teaching	0	0	0	4	8	25	62	6.5	
Workload	0	8	13	60	17	0	0	3.9	
Difficulty	0	0	0	20	33	41	4	5.3	
Learn Exp	0	0	0	17	17	23	41	5.9	

Students found Hinton's lectures engaging and the material very interesting, if a little difficult at times. However, students felt Hinton succeeded in providing clear and useful examples which appealed to students' intuition. Students generally agreed that the instructor possessed an encyclopedic knowledge of the course material and was very able to communicate it effectively.

Many complained the midterm was too difficult and that the readings were fairly heavy. Assignments were regarded as being not too difficult but vague in their statement of expectations. Some students were unsure what observations they should have been making. All in all, most considered this an interesting course and had high praise Hinton.

# 32 COMPUTER SCIENCE

## CSC 324H1F Principles of Programming Languages

Instructor(s): S. McIlraith

Enr: 100	Resp: 44							
	1	2	3	4	5	6	7	Mean
Presents	0	0	4	13	20	38	22	5.6
Explains	2	0	2	9	25	43	18	5.6
Communicates	0	2	0	6	20	45	25	5.8
Teaching	0	0	2	4	20	45	27	5.9
Workload	0	2	0	36	31	20	9	5.0
Difficulty	0	2	0	52	25	15	4	4.7
Learn Exp	2	2	0	26	44	11	11	4.9

This was an interesting, but fast-paced course with too much material to cover. McIlraith was an effective lecturer and a pleasant person. Better lecture notes would have been appreciated.

# CSC 324H1S Principles of Programming Languages

## Instructor(s): I. Mohomed

Enr: 99		Re	sp: 33	5		Reta	ke: 76%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	3	9	37	40	9	5.4
Explains	0	0	0	9	46	28	15	5.5
Communicates	0	0	0	6	28	43	21	5.8
Teaching	0	0	0	12	29	35	22	5.7
Workload	0	6	3	65	15	6	3	4.2
Difficulty	0	0	18	46	28	0	6	4.3
Learn Exp	0	0	4	40	27	22	4	4.8

Mohomed was an understanding and approachable instructor. Students complained that his midterm was too long. Some students expressed their concern that they did not know what was expected on the assignments.

#### CSC 336H1F Numerical Methods

Instructor(s): T. Fairgrieve

Enr: 117		Res	sp: 53			Reta	ke: 67%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	11	47	41	6.3
Explains	0	0	1	7	19	44	26	5.9
Communicates	0	0	0	5	15	41	37	6.1
Teaching	0	0	0	3	11	50	33	6.1
Workload	0	0	2	53	28	12	4	4.6
Difficulty	0	0	2	52	32	12	2	4.6
Learn Exp	2	0	0	25	41	22	8	5.0

Most students felt Fairgrieve explained concepts and the course material clearly, in a well-organized manner and with appropriate examples. He was also very helpful in assisting students with their questions.

However, some students complained that assignments were marked slowly.

## CSC 340H1F Information Systems Analysis and Design

Instructor(s): S. Easterbrook

Enr: 61	Resp: 21							
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	10	5	65	20	5.9
Explains	0	5	5	10	20	35	25	5.5
Communicates	0	0	0	10	15	35	40	6.1
Teaching	0	0	0	5	36	36	21	5.7
Workload	0	0	0	38	23	23	14	5.1
Difficulty	4	0	4	52	28	9	0	4.3
Learn Exp	0	20	0	33	26	13	6	4.3

Easterbrook was a good lecturer and explained concepts clearly. Some students felt the marking scheme for the assignments was unclear, and that assignments were handed back too slowly.

# CSC 340H1S Information Systems Analysis and Design

Instructor(s): J. Campbell

Enr: 102	Resp: 28							
	1	2	3	4	5	6	7	Mean
Presents	0	3	0	14	42	32	7	5.2
Explains	0	0	10	39	28	14	7	4.7
Communicates	0	0	3	21	32	32	10	5.2
Teaching	0	0	3	14	57	17	7	5.1
Workload	0	0	0	32	21	21	25	5.4
Difficulty	0	0	7	50	28	10	3	4.5
Learn Exp	0	4	14	57	4	14	4	4.2

## CSC 343H1F Introduction to Databases

Instructor(s): R. Truta

Enr: 97		Re	sp: 42			Retake: 84%		
	1	2	3	4	5	6	7	Mean
Presents	0	0	2	19	34	26	17	5.4
Explains	0	0	5	20	27	30	17	5.3
Communicates	0	0	7	21	29	21	19	5.2
Teaching	0	0	2	10	32	35	20	5.6
Workload	0	0	11	38	40	9	0	4.5
Difficulty	0	2	14	53	26	2	0	4.1
Learn Exp	0	0	3	45	35	6	9	4.7

Many students thought that Truta was a nice person and taught well. But, they were unhappy with the poor quality of TAs for the course and found the rotating of TAs annoying and confusing.

#### CSC 343H1S Introduction to Databases

Instructor(s): R. Truta

Enr: 56		Resp: 38				Reta	ke: 89%	0
	1	2	3	4	5	6	7	Mean
Presents	2	0	2	11	31	31	20	5.4
Explains	2	0	8	8	36	16	27	5.4
Communicates	2	0	5	8	17	37	28	5.6
Teaching	2	0	2	11	19	44	19	5.6
Workload	0	0	2	51	20	17	8	4.8
Difficulty	0	0	14	38	20	23	2	4.6
Learn Exp	0	0	3	23	26	30	15	5.3

Truta was enthusiastic, helpful and very interactive. Her patience was appreciated, but some students felt that she spent too much time answering simple questions. She seemed to genuinely care about students and performed very well as an instructor.

# CSC 350H1F Numerical Algebra and Optimization

Instructor(s): R. Mathon

Enr: 51		Re	sp: 32	2				
	1	2	3	4	5	6	7	Mean
Presents	0	0	9	35	35	16	3	4.7
Explains	0	3	19	32	22	19	3	4.5
Communicates	0	0	3	12	29	41	12	5.5
Teaching	0	0	10	26	26	33	3	4.9
Workload	0	3	6	59	21	9	0	4.3
Difficulty	0	0	9	46	28	12	3	4.5
Learn Exp	5	0	5	52	26	5	5	4.3

Some students thought that the lectures were complemented by tutorials. Others, thought that they could use more examples. Some thought the material was presented in a dry and boring way. In addition, they felt it was hard to follow the lecture material without previewing the lecture slides.

# ASSU ANTI-CALENDAR 33

#### CSC 354H1S Discrete-Event Stimulation and Modelling

Instructor(s): J. Clarke

Enr: 25		Resp: 13				Reta	ke: 45%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	25	50	25	0	5.0
Explains	0	8	0	58	16	16	0	4.3
Communicates	0	0	0	16	50	16	16	5.3
Teaching	0	0	0	33	50	8	8	4.9
Workload	0	0	0	50	25	16	8	4.8
Difficulty	0	0	0	33	25	25	16	5.2
Learn Exp	0	0	18	45	27	9	0	4.3

#### CSC 363H1F Computational Complexity and Computability

Instructor(s): F. Pitt

Enr: 108	Resp: 72				Reta	ke: 46%		
	1	2	3	4	5	6	7	Mean
Presents	0	0	1	4	11	32	50	6.3
Explains	0	0	2	10	17	34	35	5.9
Communicates	0	0	1	5	11	33	47	6.2
Teaching	0	0	0	7	17	24	48	6.2
Workload	0	1	2	30	23	26	14	5.1
Difficulty	0	0	1	12	9	36	39	6.0
Learn Exp	0	1	8	16	40	25	8	5.0

Students found this to be an interesting, yet challenging course. Pitt was an enthusiastic lecturer with a good teaching style. However, some students wished that more examples were given in class.

## Instructor(s): F. Pitt

Enr: 43	Resp: 27					Reta	ke: 40	%
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	19	42	38	6.2
Explains	0	0	0	3	30	38	26	5.9
Communicates	0	0	0	0	0	42	57	6.6
Teaching	0	0	0	0	3	48	48	6.4
Workload	0	0	0	19	26	34	19	5.5
Difficulty	0	0	0	11	23	26	38	5.9
Learn Exp	5	10	5	10	42	26	0	4.5

Pitt's lectures were clear and well-organized. Some students said that the assignments and tests were too difficult. However, the instructor was very enthusiastic when teaching and cared about his students.

#### CSC 365H1F Enriched Computational Complexity and Computability

Instructor(s): S. Cook

Enr: 12	Resp: 8					Reta	ke: 87%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	12	25	37	25	5.8
Explains	0	0	0	0	12	12	75	6.0
Communicates	0	0	0	0	0	37	62	6.6
Teaching	0	0	0	0	0	50	50	6.5
Workload	0	12	0	50	12	25	0	4.4
Difficulty	0	0	0	12	37	0	50	5.9
Learn Exp	0	0	0	0	20	40	40	6.2

Students said it was a pleasure to attend Cook's lectures. They said he made the material very understandable.

#### CSC 369H1F Operating Systems

Instructor(s): A. Demke-Brown										
Enr: 86	Resp: 22 Retake: 47%									
	1	2	3	4	5	6	7	Mean		
Presents	0	4	0	22	22	40	9	5.2		
Explains	4	0	13	18	31	22	9	4.8		
Communicates	9	0	9	22	22	31	4	4.6		
Teaching	4	4	0	13	40	36	0	4.9		
Workload	4	4	0	23	9	9	47	5.5		

Difficulty	4	0	4	36	9	36	9	4.9
Learn Exp	0	0	11	41	17	17	11	4.8

Students found the assignments to be extremely tough, given the limited amount of time to complete them. However, the instructor was always available to answer questions and help students. Lectures could be interesting except when the instructor read from the slides.

## CSC 369H1S Operating Systems

Instructor(s): A. Demke-Brown

Enr: 56		Res	sp: 19			Reta	ke: 84%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	22	27	33	16	5.4
Explains	0	0	5	21	26	31	15	5.3
Communicates	0	0	0	15	21	36	26	5.7
Teaching	0	0	0	26	21	31	21	5.5
Workload	0	0	0	0	15	31	52	6.4
Difficulty	0	0	0	15	31	31	21	5.6
Learn Exp	0	0	0	17	29	35	17	5.5

Demke-Brown was an effective lecturer, however, she needed to push the TAs more, so they could mark assignments quicker. By the end of term, only half of previous assignments were marked. Understanding specific implementations in OS161 took far more work than the theories in class. More guidance was needed for OS161.

# CSC 373H1F Algorithm Design & Analysis

Instructor(s): A. Borodin

Enr: 18	Resp: 8					Reta	ke: 50%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	37	12	12	0	37	4.9
Explains	0	0	25	37	0	12	25	4.8
Communicates	0	0	0	12	0	37	50	6.2
Teaching	0	0	0	37	25	0	37	5.4
Workload	0	0	12	37	50	0	0	4.4
Difficulty	0	0	0	37	37	25	0	4.9
Learn Exp	0	0	0	50	12	12	25	5.1

Some students thought Borodin was a good instructor but a little unorganized at times.

## CSC 373H1S Algorithm Design & Analysis

Instructor(s): F. Pitt

Enr: 69	Resp: 52					Reta	ke: 56%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	2	20	36	40	6.2
Explains	0	0	0	1	19	41	37	6.1
Communicates	0	0	0	1	7	41	49	6.4
Teaching	0	0	0	0	12	52	35	6.2
Workload	0	0	0	31	29	27	11	5.2
Difficulty	0	0	0	19	17	35	27	5.7
Learn Exp	0	0	5	23	43	23	5	5.0

Pitt was a very good instructor, but the course was a bit disorganized. Some material was covered previously in CSC 363.

## CSC 384H1F Introduction to Artificial Intelligence

## Instructor(s): F. Bacchus

Enr: 45		Resp: 20 Retake: 88%						
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	15	42	21	21	5.5
Explains	0	0	5	21	31	26	15	5.3
Communicates	0	0	0	15	36	26	21	5.5
Teaching	0	0	5	15	31	31	15	5.4
Workload	0	0	25	70	0	5	0	3.8
Difficulty	0	0	10	63	21	5	0	4.2
Learn Exp	0	0	20	33	46	0	0	4.3

# 34 COMPUTER SCIENCE

Students thought that Bacchus was an enthusiastic instructor. The material for the second half of the term was somewhat dry and boring.

#### Instructor(s): R. Zemel

Enr: 40		Resp: 18 Retake: 47%						
	1	2	3	4	5	6	7	Mean
Presents	0	5	11	52	11	11	5	4.3
Explains	5	0	33	33	16	5	5	3.9
Communicates	0	0	5	27	44	22	0	4.8
Teaching	0	0	17	35	35	5	5	4.5
Workload	0	0	16	61	16	5	0	4.1
Difficulty	0	0	0	66	22	21	11	4.4
Learn Exp	0	0	30	69	0	0	0	3.7

The lecture slides were confusing and contained many typos. A few students complained that the assignments were difficult.

#### CSC 384H1S Introduction to Artificial Intelligence

Instructor(s): R. Zemel

Enr: 72		Resp: 42 Retake: 509					ke: 50%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	17	31	34	14	2	4.5
Explains	2	2	21	39	31	2	0	4.0
Communicates	0	0	9	36	36	17	0	4.6
Teaching	0	0	4	41	34	17	2	4.7
Workload	0	0	4	51	23	12	4	4.6
Difficulty	0	0	4	36	36	17	4	4.8
Learn Exp	0	10	6	56	13	10	3	4.2

The main complaints were about the sloppy and hard-to-follow lecture notes. They were messy and had too many long equations in selfdesigned mathematical notation. Interesting material, but not enough understandable examples.

#### Instructor(s): F. Bacchus

Enr: 89		Resp: 42 Retake: 64%					ke: 64%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	16	33	40	9	5.4
Explains	0	2	0	21	30	38	7	5.2
Communicates	0	2	2	11	30	42	9	5.4
Teaching	0	0	2	12	46	29	9	5.3
Workload	0	0	4	64	21	9	0	4.4
Difficulty	0	0	0	52	32	15	0	4.6
Learn Exp	0	0	15	27	33	18	6	4.7

Bacchus was a good instructor and managed to explain concepts clearly. However, his slides were disappointing at times because they were full of spelling errors. Students also complained that the pop quizzes were difficult and did not reflect the course material.

## CSC 407H1F Software Architecture and Design

Instructor(s): D. Penny

Enr: 110		Resp: 51 Retake: 60%						
	1	2	3	4	5	6	7	Mean
Presents	2	4	0	12	26	44	10	5.3
Explains	2	2	2	16	34	28	16	5.3
Communicates	2	2	0	2	18	40	36	6.0
Teaching	2	6	2	10	24	46	10	5.3
Workload	0	0	0	20	26	32	22	5.6
Difficulty	0	0	8	36	22	22	12	4.9
Learn Exp	5	2	7	31	18	26	7	4.7

Students felt Penny was an enthusiastic and dedicated lecturer. He explained the material clearly but avoided answering questions. Some students thought that the course workload was heavy and the instructor should have more office hours.

#### CSC 407H1S Software Architecture and Design

Instructor(s): P. Gries

Enr: 70	Resp: 28 Retake					ke: 70%		
	1	2	3	4	5	6	7	Mean
Presents	0	11	3	14	37	0	31	5.1
Explains	0	0	11	11	29	18	29	5.4
Communicates	0	0	0	7	25	14	51	6.1
Teaching	0	0	7	7	33	22	29	5.6
Workload	0	0	0	34	34	26	3	5.0
Difficulty	0	0	8	48	28	16	0	4.5
Learn Exp	0	0	9	36	40	13	0	4.6

Generally, students enjoyed the way in which Gries taught. He engaged students and kept lectures interesting. Some students felt that the material was not well-organized.

# CSC 408H1S Software Engineering

Instructor(s): K. Reid

Enr: 97		Res	sp: 23			Reta	ke: 60%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	4	17	43	26	8	5.2
Explains	0	0	8	26	26	34	4	5.0
Communicates	0	0	0	13	21	34	30	5.8
Teaching	0	0	0	18	36	45	0	5.3
Workload	0	0	0	22	18	50	9	5.5
Difficulty	0	0	4	45	27	18	4	4.7
Learn Exp	0	10	5	26	31	21	5	4.6

Reid was regarded as an enthusiastic, caring and knowledgeable instructor, and most students found the material quite interesting. Some commented on the lack of clarity with regards to assignment expectations; many thought a marking scheme provided ahead of time would have been helpful. Students found the central project to be a good experience, but felt that not enough feedback was provided. Applicability to the real world was something that students felt this course delivered quite well, and guest speakers enhanced this experience.

# CSC 411 H1F Machine, Learning and Data Mining

#### Instructor(s): R. Zemel

Enr: 21		Res	sp: 16		Retake: 93%			
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	6	18	43	31	6.0
Explains	0	0	6	6	12	50	25	5.8
Communicates	0	0	0	6	18	50	25	5.9
Teaching	0	0	0	0	25	50	25	6.0
Workload	0	0	0	26	46	13	13	5.1
Difficulty	0	0	6	13	46	20	13	5.2
Learn Exp	0	0	0	23	30	15	30	5.5

Zemel was praised for his intuitive explanations of difficult algorithms and equations. The course material was regarded by most as very interesting. Assignments, however, were difficult to complete in the allotted time, and some believed they were not accurate evaluations. Students would have also appreciated more feedback on assignments.

# CSC 418H1F Computer Graphics

Instructor(s): K. Singh

Enr: 38		Res	sp: 14			Reta	ke: 92%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	23	15	30	30	5.7
Explains	0	0	0	21	28	28	21	5.5
Communicates	0	0	0	0	14	35	50	6.4
Teaching	0	0	0	0	28	42	28	6.0
Workload	0	0	7	30	30	30	0	4.8
Difficulty	0	0	0	53	23	23	0	4.7
Learn Exp	0	0	0	44	33	22	0	4.8

Students found the course to be extremely interesting and engag-

ing. Singh was regarded as a very good instructor for his great teaching style.

# CSC 418H1S Computer Graphics

Instructor(s): A. Hertzmann

Enr: 60	Resp: 14				Retak	e: 100%		
	1	2	3	4	5	6	7	Mean
Presents	0	0	9	9	54	27	0	5.0
Explains	0	0	8	16	41	8	25	5.2
Communicates	0	0	0	0	8	50	41	6.3
Teaching	0	0	0	10	40	20	30	5.7
Workload	0	0	0	30	23	30	15	5.3
Difficulty	0	0	7	30	23	23	15	5.1
Learn Exp	0	0	0	9	0	45	45	6.3

Hertzmann was a good instructor. Some students found the programming assignments fun and helpful.

#### CSC 428H1F Human-Computer Interaction

Instructor(s): R. Balakrishnan

Enr: 34		Resp: 22 Retake: 94%						
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	9	27	18	45	6.0
Explains	0	0	0	4	22	27	45	6.1
Communicates	0	0	4	9	14	14	57	6.1
Teaching	0	0	0	4	23	33	38	6.0
Workload	0	0	13	45	27	13	0	4.4
Difficulty	0	0	13	72	9	4	0	4.0
Learn Exp	0	0	0	14	14	35	35	5.9

Balakrishnan's course was regarded as an excellent learning experience by the majority. Many enjoyed the lack of tests/exams which promoted learning for it's own sake. In-class presentations by the instructor were interesting and informative. Students would have appreciated more feedback on assignments. Students criticized the harsh late policy whereby late assignments are not accepted.

## CSC 443H1S Database System Technology

Instructor(s): R. Truta

Enr: 38		Re	Resp: 23 Retake: 76%					
	1	2	3	4	5	6	7	Mean
Presents	0	0	8	8	39	30	15	5.3
Explains	0	0	13	8	30	43	4	5.2
Communicates	8	0	8	13	17	43	8	5.0
Teaching	4	4	4	4	21	52	8	5.3
Workload	0	0	4	34	13	39	8	5.1
Difficulty	0	0	4	27	31	27	9	5.1
Learn Exp	0	0	7	14	14	50	14	5.5

Some students thought that Truta was a good instructor who provided "detailed and precise" notes during lectures.

## CSC 458H1F Computer Networks

Instructor(s): P. Marbach

Enr: 37		Re	sp: 20	)		Reta	ıke: 94%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	21	61	47	6.3
Explains	0	0	0	10	30	25	35	5.8
Communicates	0	0	0	0	20	30	50	6.3
Teaching	0	0	0	5	15	52	26	6.0
Workload	0	0	10	45	25	20	0	4.6
Difficulty	0	0	5	30	25	35	5	5.1
Learn Exp	0	0	0	18	37	37	6	5.3

Marbach was a very good and enthusiastic instructor. The level of knowledge of statistics was very high, and further coverage would have been appreciated. The assignments were difficult.

## CSC 458H1S Computer Networks

Instructor(s): P. Marbach

Enr: 35	Resp: 20				Retake: 58%			
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	15	68	15	6.0
Explains	0	0	5	15	15	35	30	5.7
Communicates	0	0	0	0	33	33	33	6.0
Teaching	0	0	0	0	38	50	11	5.7
Workload	0	0	0	50	25	20	5	4.8
Difficulty	0	0	0	30	40	10	20	5.2
Learn Exp	0	0	10	50	20	10	10	4.6

Marbach was a knowledgeable instructor and somehow funny, which made his class fun to attend. The midterm seemed to be worth too much.

## CSC 465H1F Formal Methods in Software Design

## Instructor(s): R. Hehner

Enr: 41		Re	sp: 18	;		Reta	ike: 50%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	5	5	22	38	27	5.8
Explains	5	5	0	5	22	44	16	5.3
Communicates	0	0	0	0	28	38	33	6.1
Teaching	0	0	5	11	11	50	22	5.7
Workload	0	0	0	52	29	11	5	4.7
Difficulty	0	0	0	16	33	38	11	5.4
Learn Exp	6	0	12	25	31	18	6	4.6

Hehner was a good instructor. The course material was a little difficult. More examples would have been appreciated in both the lectures and the text.

# CSC 487H1F Computational Vision

Instructor(s): A. Jepson

Enr: 7		Re	sp: 5			Reta	ke: 80%	
	1	2	3	4	5	6	7	Mean
Presents	0	0	0	0	0	80	20	6.2
Explains	0	0	0	20	20	40	20	5.6
Communicates	0	0	0	0	20	40	40	6.2
Teaching	0	0	0	0	0	60	40	6.4
Workload	0	0	0	0	0	50	50	6.5
Difficulty	0	0	0	0	0	50	50	6.5
Learn Exp	0	0	0	0	0	50	50	6.5

Students thought that this was an interesting and challenging course. Jepson provided very good lectures and lecture notes. However, a better, more in-depth, textbook would have been appreciated.

# CSC 488H1S Compilers and Interpretation

Instructor(s): M. Chechik

Enr: 16	Resp: 12			Retake: 80%				
	1	2	3	4	5	6	7	Mean
Presents	0	0	18	36	27	9	9	4.5
Explains	0	9	0	27	45	9	9	4.7
Communicates	0	0	0	9	54	9	27	5.5
Teaching	0	0	0	30	30	40	0	5.1
Workload	0	0	10	30	30	30	0	4.8
Difficulty	0	0	0	40	40	10	10	4.9
Learn Exp	0	0	11	44	11	11	22	4.9

Students thought that Chechik was a good instructor. However, her slides were not always clear which hindered the flow of the lectures. Students gained a lot from this course.