

ENVIRONMENT COURSES



Introduction

We would like to thank the Staff and Faculty of the Division of the Environment for their kind assistance in providing the following evaluations.

Editor

ENV 200Y1Y Assessing Global Change: Science and the Environment

Instructor(s): A. Zimmerman

| Enr: 277 | Resp: 98 | | | | | | | Retake: 70% |
|--------------|----------|---|----|----|----|----|----|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Mean |
| Presents | 0 | 0 | 2 | 4 | 24 | 36 | 32 | 5.9 |
| Explains | 0 | 0 | 0 | 5 | 26 | 32 | 36 | 6.0 |
| Communicates | 0 | 0 | 0 | 1 | 13 | 33 | 51 | 6.4 |
| Teaching | 0 | 0 | 0 | 5 | 20 | 42 | 32 | 6.0 |
| Workload | 0 | 5 | 5 | 63 | 20 | 5 | 1 | 4.2 |
| Difficulty | 0 | 3 | 10 | 55 | 22 | 6 | 1 | 4.2 |
| Learn Exp | 1 | 0 | 6 | 27 | 27 | 24 | 16 | 5.1 |

The topics covered were varied, interesting and very informative. The course certainly exposed many students to environmental problems. The test was very difficult for some people, and others were unhappy about the multiple choice-based testing as it did not adequately measure what students learned. Some students thought that the science component in the beginning of the course was unnecessary and difficult.

Zimmerman received praise for designing and conducting the course well. She was "extremely passionate" about the material and very happy about teaching it. She prepared students for assignments and tests, and provided very clear instructions and explicit requirements. She responded to email promptly and was very helpful in general.

ENV 223H1F Fundamental Environment Skills

Instructor(s): K. Ing

| Enr: 44 | Resp: 37 | | | | | | | Retake: 34% |
|--------------|----------|----|----|----|----|----|----|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Mean |
| Presents | 0 | 0 | 0 | 13 | 33 | 44 | 8 | 5.5 |
| Explains | 0 | 0 | 2 | 16 | 29 | 37 | 13 | 5.4 |
| Communicates | 0 | 0 | 2 | 22 | 27 | 30 | 16 | 5.4 |
| Teaching | 0 | 0 | 2 | 14 | 31 | 31 | 20 | 5.5 |
| Workload | 0 | 8 | 13 | 38 | 30 | 5 | 2 | 4.2 |
| Difficulty | 14 | 2 | 25 | 42 | 14 | 0 | 0 | 3.4 |
| Learn Exp | 6 | 10 | 26 | 16 | 23 | 16 | 0 | 3.9 |

ENV 234Y1Y Environmental Biology

Instructor(s): J. Bollman; J. Eckenwalder

| Enr: 110 | Resp: 65 | | | | | | | Retake: 46% |
|----------|----------|---|----|----|----|----|---|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Mean |
| Bollman: | | | | | | | | |
| Presents | 0 | 3 | 15 | 22 | 38 | 19 | 1 | 4.6 |
| Explains | 1 | 4 | 14 | 39 | 26 | 12 | 1 | 4.3 |

| | | | | | | | | |
|--------------|----|----|----|----|----|----|---|-----|
| Communicates | 1 | 0 | 3 | 35 | 35 | 17 | 6 | 4.8 |
| Teaching | 1 | 4 | 19 | 34 | 31 | 7 | 3 | 4.2 |
| Eckenwalder: | | | | | | | | |
| Presents | 26 | 10 | 31 | 21 | 7 | 1 | 0 | 2.8 |
| Explains | 7 | 12 | 20 | 36 | 18 | 4 | 0 | 3.6 |
| Communicates | 6 | 3 | 7 | 35 | 29 | 15 | 3 | 4.4 |
| Teaching | 10 | 12 | 26 | 24 | 24 | 1 | 0 | 3.4 |
| Course: | | | | | | | | |
| Workload | 0 | 0 | 16 | 78 | 1 | 1 | 1 | 3.9 |
| Difficulty | 0 | 0 | 10 | 78 | 9 | 0 | 1 | 4.0 |
| Learn Exp | 1 | 5 | 22 | 44 | 18 | 5 | 1 | 4.0 |

Most students found Bollman to be friendly and approachable but sometimes difficult to understand. Some felt that Bollman had difficulty explaining concepts and lectures could have benefitted from more examples.

Many students felt that Eckenwalder was a little disorganized and that the lectures lacked direction.

The hands-on aspect of the labs was a unique and interesting learning experience.

Instructor(s): A. Zimmerman; V. Timmer

| Enr: 103 | Resp: 42 | | | | | | | Retake: 83% |
|--------------|----------|---|----|----|----|----|----|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Mean |
| Zimmerman: | | | | | | | | |
| Presents | 0 | 0 | 0 | 12 | 39 | 36 | 12 | 5.5 |
| Explains | 0 | 0 | 0 | 2 | 41 | 39 | 17 | 5.7 |
| Communicates | 0 | 0 | 0 | 0 | 31 | 29 | 39 | 6.1 |
| Teaching | 0 | 0 | 0 | 2 | 41 | 43 | 12 | 5.7 |
| Timmer: | | | | | | | | |
| Presents | 0 | 0 | 2 | 9 | 43 | 31 | 12 | 5.4 |
| Explains | 0 | 0 | 4 | 9 | 33 | 40 | 11 | 5.5 |
| Communicates | 0 | 0 | 4 | 4 | 39 | 29 | 21 | 5.6 |
| Teaching | 0 | 0 | 0 | 12 | 41 | 36 | 9 | 5.4 |
| Course: | | | | | | | | |
| Workload | 2 | 2 | 9 | 73 | 7 | 4 | 0 | 4.0 |
| Difficulty | 2 | 0 | 17 | 68 | 9 | 2 | 0 | 3.9 |
| Learn Exp | 2 | 0 | 11 | 31 | 34 | 14 | 5 | 4.6 |

Many students found Zimmerman to be passionate and very enthusiastic about the material, although some felt that the instructor rushed through the material. Overall, students believed she explained concepts clearly.

Many students felt Timmer was very clear, passionate and knowledgeable.

Overall, students found the course to be a valuable experience. Some found the textbook unnecessary.

Instructor(s): S. Melles; I. Stehlik

| Enr: 103 | Resp: 36 | | | | | | | Retake: 83% |
|--------------|----------|---|----|----|----|----|----|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Mean |
| Melles: | | | | | | | | |
| Presents | 0 | 3 | 0 | 41 | 37 | 13 | 3 | 4.7 |
| Explains | 0 | 3 | 7 | 42 | 32 | 14 | 0 | 4.5 |
| Communicates | 3 | 3 | 7 | 25 | 39 | 14 | 7 | 4.6 |
| Teaching | 0 | 3 | 14 | 22 | 44 | 11 | 3 | 4.6 |
| Stehlik: | | | | | | | | |
| Presents | 0 | 0 | 0 | 14 | 14 | 40 | 31 | 5.9 |
| Explains | 0 | 0 | 0 | 8 | 17 | 45 | 28 | 5.9 |
| Communicates | 0 | 0 | 0 | 2 | 13 | 52 | 30 | 6.1 |
| Teaching | 0 | 0 | 0 | 2 | 29 | 47 | 20 | 5.9 |
| Course: | | | | | | | | |
| Workload | 0 | 0 | 12 | 80 | 4 | 4 | 0 | 4.0 |
| Difficulty | 0 | 0 | 8 | 76 | 16 | 0 | 0 | 4.1 |
| Learn Exp | 0 | 0 | 13 | 39 | 30 | 8 | 8 | 4.6 |

Some students felt that the Melles did not explain concepts and examples clearly. They also believed she would have been more effective had she not read directly from lecture slides.

Students thought Stehlik explained course concepts clearly and with an appropriate use of examples. They also appreciated her organization and enthusiasm for the material.

ENV 235Y1Y Physics and Chemistry of Planet Earth

Instructor(s): J. Mitrovica

| Enr: 27 | Resp: 22 | | | | | | | Retake: 95% |
|--------------|----------|---|----|----|----|----|----|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Mean |
| Presents | 0 | 0 | 0 | 4 | 22 | 31 | 40 | 6.1 |
| Explains | 0 | 0 | 0 | 0 | 9 | 31 | 59 | 6.5 |
| Communicates | 0 | 0 | 0 | 0 | 4 | 9 | 86 | 6.8 |
| Teaching | 0 | 0 | 0 | 0 | 9 | 27 | 63 | 6.5 |
| Workload | 0 | 4 | 18 | 72 | 4 | 0 | 0 | 3.8 |
| Difficulty | 0 | 0 | 0 | 77 | 18 | 4 | 0 | 4.3 |
| Learn Exp | 0 | 0 | 0 | 18 | 37 | 25 | 18 | 5.4 |

Many students felt that Mitrovica was excellent and very knowledgeable. His sense of humour was appreciated and this made the lectures more interesting. One complaint was that the tutorials were not closely linked with the lectures, in terms of the material covered.

Instructor(s): J. Abbott

| Enr: 24 | Resp: 19 | | | | | | | Retake: 88% |
|--------------|----------|---|----|----|----|----|----|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Mean |
| Presents | 0 | 0 | 0 | 11 | 33 | 55 | 0 | 5.4 |
| Explains | 0 | 0 | 0 | 5 | 44 | 33 | 16 | 5.6 |
| Communicates | 0 | 0 | 0 | 5 | 47 | 31 | 15 | 5.6 |
| Teaching | 0 | 0 | 0 | 5 | 16 | 55 | 22 | 5.9 |
| Workload | 5 | 0 | 10 | 63 | 21 | 0 | 0 | 3.9 |
| Difficulty | 0 | 0 | 15 | 52 | 26 | 0 | 5 | 4.3 |
| Learn Exp | 0 | 0 | 0 | 33 | 13 | 26 | 26 | 5.5 |

Abbott was enthusiastic about teaching and did a good job in explaining the material with examples. The course was well-planned and linked chemistry effectively with global issues.

ENV 236Y1Y Human Interactions with the Environment

Instructor(s): S. Cowling

| Enr: 66 | Resp: 56 | | | | | | | Retake: 73% |
|--------------|----------|---|----|----|----|----|----|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Mean |
| Presents | 7 | 3 | 12 | 25 | 32 | 16 | 1 | 4.3 |
| Explains | 5 | 1 | 5 | 21 | 30 | 21 | 14 | 4.9 |
| Communicates | 0 | 0 | 1 | 9 | 12 | 29 | 47 | 6.1 |
| Teaching | 1 | 3 | 7 | 8 | 41 | 25 | 12 | 5.1 |
| Workload | 3 | 3 | 17 | 66 | 5 | 1 | 1 | 3.8 |
| Difficulty | 3 | 5 | 16 | 66 | 7 | 0 | 1 | 3.8 |
| Learn Exp | 2 | 2 | 2 | 58 | 16 | 21 | 6 | 4.5 |

The lecture notes were too wordy, as such it was difficult to copy the slides and to listen to the instructor simultaneously. Posting lecture notes online would have been helpful. Students thought the second test was too difficult and did not represent the course material adequately. Students felt that Cowling was enthusiastic and approachable.

ENV 315H1F Chemical Analysis of Environmental Samples

Instructor(s): M. Gorton

| Enr: 7 | Resp: 7 | | | | | | | Retake: 85% |
|--------------|---------|---|---|----|----|----|----|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Mean |
| Presents | 0 | 0 | 0 | 0 | 0 | 71 | 28 | 6.3 |
| Explains | 0 | 0 | 0 | 0 | 0 | 42 | 57 | 6.6 |
| Communicates | 0 | 0 | 0 | 0 | 0 | 42 | 57 | 6.6 |
| Teaching | 0 | 0 | 0 | 0 | 0 | 28 | 71 | 6.7 |
| Workload | 0 | 0 | 0 | 14 | 14 | 42 | 28 | 5.9 |
| Difficulty | 0 | 0 | 0 | 57 | 42 | 0 | 0 | 4.4 |
| Learn Exp | 0 | 0 | 0 | 0 | 0 | 60 | 40 | 6.4 |

Overall, a very good class. The amount of work was high, but Gorton knew his material very well and explained everything. He was also very helpful. Some thought that the amount of work resembled a 400-level course. Some suggested more rock analysis considering this was a course requirement for the Geology specialist program.

ENV 320Y1Y National and International Environmental Policy Making

Instructor(s): J. Etcheverry

| Enr: 32 | Resp: 15 | | | | | | | Retake: 76% |
|--------------|----------|---|----|----|----|----|----|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Mean |
| Presents | 0 | 0 | 14 | 35 | 35 | 14 | | 4.5 |
| Explains | 0 | 0 | 0 | 0 | 0 | 61 | 38 | 6.4 |
| Communicates | 0 | 0 | 0 | 0 | 0 | 14 | 85 | 6.9 |
| Teaching | 0 | 0 | 0 | 0 | 21 | 35 | 42 | 6.2 |
| Workload | 0 | 0 | 14 | 71 | 14 | 0 | 0 | 4.0 |
| Difficulty | 0 | 0 | 7 | 57 | 28 | 7 | 0 | 4.4 |
| Learn Exp | 0 | 0 | 0 | 18 | 0 | 36 | 45 | 6.1 |

Students enjoyed the guest speakers, class environment, and direction Etcheverry provided. Though the instructor was somewhat disorganized, he was a very effective teacher, "pushing students to produce material that went beyond academic requirements and had practical implications". He genuinely enjoyed working with students and was very "inspirational" - he always shared his personal experience to the class to enrich their learning. He accommodated students' request and was very flexible with scheduling.

ENV 335H1F Environmental Design

Instructor(s): S. Waite-Chuah

| Enr: 22 | Resp: 20 | | | | | | | Retake: 78% |
|--------------|----------|----|----|----|----|----|----|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Mean |
| Presents | 0 | 0 | 0 | 26 | 26 | 42 | 5 | 5.3 |
| Explains | 0 | 0 | 5 | 15 | 20 | 40 | 20 | 5.6 |
| Communicates | 0 | 0 | 0 | 5 | 5 | 52 | 36 | 6.2 |
| Teaching | 0 | 0 | 0 | 15 | 20 | 50 | 15 | 5.7 |
| Workload | 0 | 5 | 20 | 55 | 15 | 5 | 0 | 4.0 |
| Difficulty | 0 | 10 | 25 | 60 | 0 | 5 | 0 | 3.7 |
| Learn Exp | 0 | 0 | 0 | 25 | 16 | 41 | 16 | 5.5 |

Overall, the instructor was generally very good. She was very knowledgeable and enthusiastic. The students found the class informative and engaging; they found the class field-trips particularly helpful. A number of students wished for more depth and focus on design and less emphasis on background information.

ENV 341H1F Environment and Human Health

Instructor(s): A. Abelsohn

| Enr: 28 | Resp: 22 | | | | | | | Retake: 65% |
|--------------|----------|---|----|----|----|----|----|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Mean |
| Presents | 0 | 0 | 4 | 0 | 31 | 54 | 9 | 5.6 |
| Explains | 0 | 4 | 0 | 9 | 31 | 45 | 9 | 5.4 |
| Communicates | 0 | 0 | 4 | 9 | 27 | 50 | 9 | 5.5 |
| Teaching | 0 | 0 | 0 | 13 | 22 | 50 | 13 | 5.6 |
| Workload | 0 | 0 | 9 | 68 | 8 | 4 | 0 | 4.2 |
| Difficulty | 0 | 0 | 22 | 31 | 31 | 9 | 4 | 4.4 |
| Learn Exp | 0 | 0 | 7 | 42 | 28 | 14 | 7 | 4.7 |

Abelsohn taught in a clear and enthusiastic manner and ensured that students were following along with the notes. However, some felt that lectures could have been more organized and the slides should have been more concise. Most had problems with the TA's unfair marking. This had an effect on their overall experience in the course.

ENV 350H1F Energy & Climate Change Policy and Politics

Instructor(s): J. Etcheverry

| Enr: 25 | Resp: 15 | | | | | | | Retake: 100% |
|--------------|----------|---|----|----|----|----|----|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Mean |
| Presents | 0 | 0 | 33 | 0 | 33 | 33 | 0 | 4.7 |
| Explains | 0 | 0 | 28 | 0 | 14 | 14 | 42 | 5.4 |
| Communicates | 0 | 0 | 28 | 0 | 14 | 0 | 57 | 5.6 |
| Teaching | 0 | 0 | 16 | 0 | 16 | 16 | 50 | 5.8 |
| Workload | 0 | 0 | 0 | 80 | 13 | 6 | 0 | 4.3 |
| Difficulty | 0 | 0 | 0 | 73 | 20 | 6 | 0 | 4.3 |

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Learn Exp 0 0 0 0 18 36 45 6.3

Etchevery was very enthusiastic and passionate about the course. They also enjoyed the occasional guest lecturers. However, students felt that lectures could have used more structure and organization so that it would stay within the allotted time. Some wished the instructor had been clearer about his expectations for the exams. Overall, students enjoyed the course.

ENV 410H1F Environmental Research Skills

Instructor(s): R. Rice

| Enr: 22 | Resp: 14 | | | | | | | Retake: 71% |
|--------------|----------|---|----|----|----|----|----|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| Presents | 0 | 7 | 0 | 0 | 0 | 42 | 50 | 6.2 |
| Explains | 0 | 7 | 0 | 7 | 0 | 57 | 28 | 5.9 |
| Communicates | 0 | 7 | 0 | 0 | 21 | 50 | 21 | 5.7 |
| Teaching | 0 | 7 | 0 | 0 | 0 | 64 | 28 | 6.0 |
| Workload | 0 | 0 | 0 | 64 | 21 | 14 | 0 | 4.5 |
| Difficulty | 7 | 0 | 14 | 50 | 21 | 7 | 0 | 4.0 |
| Learn Exp | 0 | 0 | 0 | 9 | 45 | 36 | 9 | 5.5 |

Rice was a good lecturer with well-organized lecture slides. She made a dull course interesting. Despite its dullness and somewhat heavy workload, students still found the course a valuable learning experience.

ENV 421H1Y Environmental Research

Instructor(s): K. Ing; D. MacDonald

| Enr: 18 | Resp: 10 | | | | | | Retake: 66% | |
|-------------------|----------|---|----|----|----|----|-------------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | Mean |
| <u>Ing:</u> | | | | | | | | |
| Presents | 0 | 0 | 0 | 10 | 30 | 40 | 20 | 5.7 |
| Explains | 0 | 0 | 0 | 0 | 22 | 55 | 22 | 6.0 |
| Communicates | 0 | 0 | 0 | 0 | 11 | 77 | 11 | 6.0 |
| Teaching | 0 | 0 | 0 | 0 | 0 | 70 | 30 | 6.3 |
| <u>MacDonald:</u> | | | | | | | | |
| Presents | 0 | 0 | 0 | 0 | 33 | 44 | 22 | 5.9 |
| Explains | 0 | 0 | 0 | 0 | 22 | 55 | 22 | 6.0 |
| Communicates | 0 | 0 | 0 | 0 | 11 | 77 | 11 | 6.0 |
| Teaching | 0 | 0 | 0 | 0 | 0 | 70 | 30 | 6.3 |
| <u>Course:</u> | | | | | | | | |
| Workload | 0 | 0 | 0 | 10 | 30 | 10 | 50 | 6.0 |
| Difficulty | 0 | 0 | 10 | 30 | 10 | 10 | 40 | 5.4 |
| Learn Exp | 0 | 0 | 0 | 0 | 20 | 40 | 40 | 6.2 |

Students found the workload very high for this course and thought it should have been a full-credit one. Though many were glad to have taken the course, the assignments and final paper were time-consuming and intensive. Both instructors provided great academic and personal support throughout the year, and were both "helpful, understanding" and enthusiastic about teaching.

ENV 422H1F Environmental Law

Instructor(s): P. Muldoon

| Enr: 30 | Resp: 28 | | | | | | | Retake: 88% |
|--------------|----------|---|----|----|----|----|----|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| Presents | 0 | 0 | 7 | 7 | 14 | 35 | 35 | 5.9 |
| Explains | 0 | 0 | 0 | 0 | 0 | 39 | 60 | 6.6 |
| Communicates | 0 | 0 | 0 | 0 | 3 | 28 | 67 | 6.6 |
| Teaching | 0 | 0 | 0 | 0 | 10 | 25 | 64 | 6.5 |
| Workload | 3 | 0 | 14 | 71 | 10 | 0 | 0 | 3.9 |
| Difficulty | 0 | 0 | 14 | 50 | 25 | 7 | 3 | 4.4 |
| Learn Exp | 0 | 0 | 5 | 11 | 22 | 5 | 55 | 5.9 |

Muldoon was praised as being a great teacher and knowledgeable about the course content. His enthusiasm was apparent in the way he engaged with students to make the dry material interesting. Also, he made sure to cover the material thoroughly. Some stated he was the best instructor they've had. However, some felt that his teaching was sometimes redundant.

ENV 440Y1Y Professional Experience Course

Instructor(s): C. Gore

| Enr: 10 | Resp: 7 | | | | | | | Retake: 57% |
|--------------|---------|----|---|----|----|----|----|-------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| Presents | 0 | 0 | 0 | 0 | 28 | 42 | 28 | 6.0 |
| Explains | 0 | 0 | 0 | 0 | 28 | 28 | 42 | 6.1 |
| Communicates | 0 | 14 | 0 | 14 | 0 | 28 | 42 | 6.5 |
| Teaching | 0 | 0 | 0 | 0 | 14 | 42 | 42 | 6.3 |
| Workload | 0 | 0 | 0 | 0 | 0 | 14 | 85 | 6.9 |
| Difficulty | 0 | 0 | 0 | 14 | 71 | 0 | 14 | 5.1 |
| Learn Exp | 0 | 0 | 0 | 0 | 50 | 25 | 25 | 5.8 |

There was too much work for this course! The assignments were very time consuming and long, on top of eight hours of placement work every week. Gore was a ver "supportive, positive and helpful - always available for extra help."

