

# 2023W1 UBC Individual Instructor Report for EOSC 516 101 - Teaching and Learning in Earth, Ocean and Atmospheric Sciences (Brett Gilley)

Project Title: **2023W1 UBC Instructor SEI Surveys**

Course Audience: **9**

Responses Received: **4**

Response Ratio: **44%**

## Report Comments

### Recommended Minimum Response Rates

Class Size	Recommended Minimum Response Rates based on 80% confidence & $\pm 10\%$ margin
< 10	75%
11 - 19	65%
20 - 34	55%
35 - 49	40%
50 - 74	35%
75 - 99	25%
100 - 149	20%
150 - 299	15%
300 - 499	10%
> 500	5%

Creation Date: **Thursday, January 11, 2024**



University Module Questions

University Module Questions

Question	N	n	SD	D	N	A	SA	N/A	IM	DI
Throughout the term, the instructor explained course requirements so it was clear to me what I was expected to learn.	9	4	0	0	0	0	4	0	5.0	0.0
The instructor conducted this course in such a way that I was motivated to learn.	9	4	0	0	0	0	4	0	5.0	0.0
The instructor presented the course material in a way that I could understand.	9	4	0	0	0	0	4	0	5.0	0.0
Considering the type of class (e.g., large lecture, seminar, studio), the instructor provided useful feedback that helped me understand how my learning progressed during this course.	9	4	0	0	0	0	4	0	5.0	0.0
The instructor showed genuine interest in supporting my learning throughout this course.	9	4	0	0	0	0	4	0	5.0	0.0
Overall, I learned a great deal from this instructor.	9	4	0	0	0	0	4	0	5.0	0.0

Question	%Favourable
Throughout the term, the instructor explained course requirements so it was clear to me what I was expected to learn.	100%
The instructor conducted this course in such a way that I was motivated to learn.	100%
The instructor presented the course material in a way that I could understand.	100%
Considering the type of class (e.g., large lecture, seminar, studio), the instructor provided useful feedback that helped me understand how my learning progressed during this course.	100%
The instructor showed genuine interest in supporting my learning throughout this course.	100%
Overall, I learned a great deal from this instructor.	100%

Faculty Questions

Course Questions

Question	N	n	SD	D	N	A	SA	N/A	IM	DI
My academic background provided sufficient preparation for this course.	9	4	0	0	0	0	4	0	5.0	0.0
In this class, I applied facts, theories, or methods to new problems or situations.	9	4	0	0	0	0	4	0	5.0	0.0

Question	%Favourable
My academic background provided sufficient preparation for this course.	100%
In this class, I applied facts, theories, or methods to new problems or situations.	100%

Instructor Questions

Question	N	n	SD	D	N	A	SA	N/A	IM	DI
The instructor treated students with respect.	9	4	0	0	0	0	4	0	5.0	0.0
The ways the instructor implemented the course activities (e.g., in-class activities, labs, tutorials, field trips, online components, assignments) helped me achieve the learning objectives.	9	4	0	0	0	0	4	0	5.0	0.0
The instructor was intentional about cultivating a welcoming and inclusive environment that supports all students and encourages all students to participate.	9	4	0	0	0	0	4	0	5.0	0.0

Question	%Favourable
The instructor treated students with respect.	100%
The ways the instructor implemented the course activities (e.g., in-class activities, labs, tutorials, field trips, online components, assignments) helped me achieve the learning objectives.	100%
The instructor was intentional about cultivating a welcoming and inclusive environment that supports all students and encourages all students to participate.	100%

## Open ended feedback

**Please comment on what your instructor did well to support your learning.**

Comments
Brett created a safe space in the classroom where I felt comfortable participating even if it meant making mistakes.
Empathetic, clear and timely communication
Brett brings so much energy and enthusiasm to class! His friendly smile and attitude make this class a comfortable environment to be in. Seminars were full of activities in pairs or small groups and we often got up and moved around which kept us engaged.

**Do you have any suggestions for what the instructor could have done differently to further support your learning?**

Comments
No, Brett was an amazing prof.!
no – I was really pleased with this course and Brett was a big part of that!

**Please identify what you consider to be the strengths of this course.**

Comments
I thoroughly enjoyed this course! The division between large and small format groups was really nice.
Interactivity, large group and small group sessions
The three small group sessions give us a comfortable environment to practice teaching. The 2 hr seminars are full with lots of activities to keep us engaged.

**Please provide suggestions on how this course might be improved.**

Comments
Nothing, this course is already amazing as-is!

## Explanatory Note

### Percent Favourable Rating

This is the percentage of respondents who rated the instructor a 4 or 5 (Agree or Strongly Agree).

### Interpolated Median

The data collected for Student Experience of Instruction (SEI) are ordinal in nature, with a natural order (from 1 to 5). While the mean may be used as a measure of central tendency for such data, it is not an appropriate or accurate representation of SEI data (cf. Stark & Freishtat, 2014). The usual measure of central tendency for ordinal data is the median. As a result, we have been reporting the mean and the median for the last several years. After considerable thought and data modeling, we now believe that the interpolated median is the best representation of the data, since it takes the frequency distribution into account.

Consider the following example from 2015W, the two course sections have identical mean (3.8). However, the instructor in section 2 received 77% favourable (4-5) ratings, compared to 53% for the instructor in section 1. The Interpolated median values of (3.7 and 4.2), much better reflects the distribution of the scores above and below their respective median. Furthermore, the interpolated median is better correlated with percent favourable rating; such that an interpolated median of 3.5 on a Likert scale of 1 to 5, corresponds to 50% favourable rating.

Frequency Distribution		
Response for University Module Item	Section 1	Section 2
5 = Strongly agree	5	5
4 = Agree	3	5
3 = Neither agree nor disagree	6	0
2 = Disagree	1	2
1 = Strongly disagree	0	1
Mean	3.8	3.8
Median	4.0	4.0

UBC Student Experience of Instruction

Interpolated Median	3.7	4.2
Percent favourable rating	53%	77%

Dispersion Index

The dispersion index is a measure of variability suitable for ordinal data (Rampichini, Grilli & Petrucci 2004). This dispersion index has values between zero and 1. A zero dispersion index indicates that all respondents in the section rated their experience of instruction the same. An index value of 1.0 is obtained when the respondents are split evenly between the two extreme values (Strongly Disagree & Strongly Agree), a very rare occurrence. In SEI data at UBC, the index rarely exceeds 0.85, and mostly for evaluations not meeting the minimum recommended response rate.