Report Comments

Recommended Minimum Response Rates

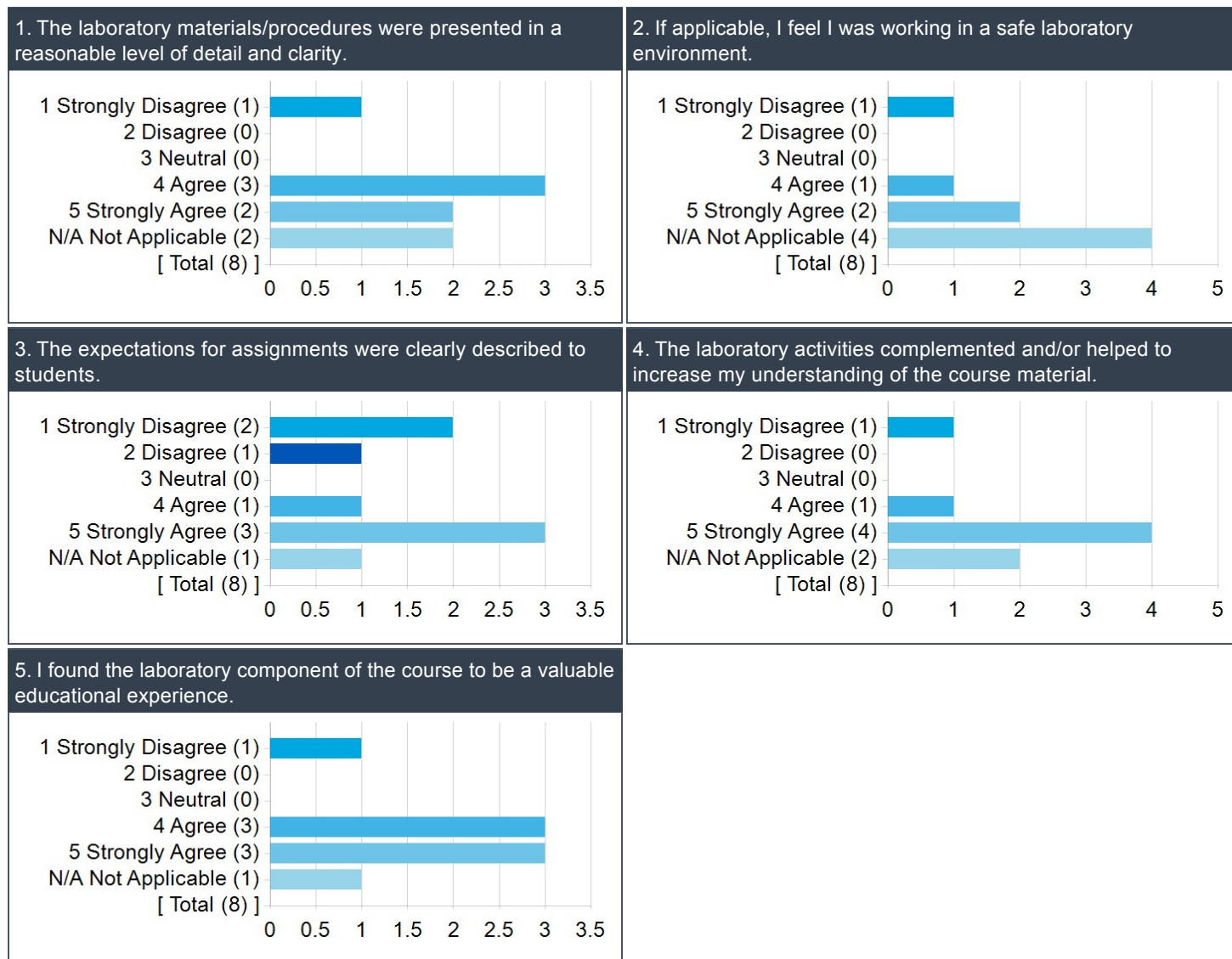| Class Size	Recommended Minimum Response Rates based on 80% confidence & ± 10% margin
< 10	75%
11 - 19	65%
20 - 34	55%
35 - 49	40%
50 - 74	35%
75 - 99	25%
100 - 149	20%
150 - 299	15%
300 - 499	10%
> 500	5%

Legend

N: Expected
n: Responded

Frequency Distribution
SD: Strongly Disagree
D: Disagree
N: Neutral
A: Agree
SA: Strongly Agree
N/A: Not applicable

Statistics
IM: Interpolated Median

Creation Date: **Monday, May 3, 2021**
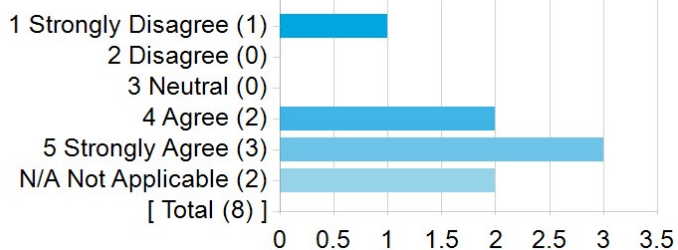
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Detailed Results

Lab Questions

1. The laboratory materials/procedures were presented in a reasonable level of detail and clarity.

Response	Count
1 Strongly Disagree	(1)
2 Disagree	(0)
3 Neutral	(0)
4 Agree	(3)
5 Strongly Agree	(2)
N/A Not Applicable	(2)
[Total (8)]	

2. If applicable, I feel I was working in a safe laboratory environment.

Response	Count
1 Strongly Disagree	(1)
2 Disagree	(0)
3 Neutral	(0)
4 Agree	(1)
5 Strongly Agree	(2)
N/A Not Applicable	(4)
[Total (8)]	

3. The expectations for assignments were clearly described to students.

Response	Count
1 Strongly Disagree	(2)
2 Disagree	(1)
3 Neutral	(0)
4 Agree	(1)
5 Strongly Agree	(3)
N/A Not Applicable	(1)
[Total (8)]	

4. The laboratory activities complemented and/or helped to increase my understanding of the course material.

Response	Count
1 Strongly Disagree	(1)
2 Disagree	(0)
3 Neutral	(0)
4 Agree	(1)
5 Strongly Agree	(4)
N/A Not Applicable	(2)
[Total (8)]	

5. I found the laboratory component of the course to be a valuable educational experience.

Response	Count
1 Strongly Disagree	(1)
2 Disagree	(0)
3 Neutral	(0)
4 Agree	(3)
5 Strongly Agree	(3)
N/A Not Applicable	(1)
[Total (8)]	

Question	N	n	SD	D	N	A	SA	N/A	IM	DI
The laboratory materials/procedures were presented in a reasonable level of detail and clarity.	31	8	1	0	0	3	2	2	4.17	0.64
If applicable, I feel I was working in a safe laboratory environment.	31	8	1	0	0	1	2	4	4.50	0.81
The expectations for assignments were clearly described to students.	31	8	2	1	0	1	3	1	4.00	0.94
The laboratory activities complemented and/or helped to increase my understanding of the course material.	31	8	1	0	0	1	4	2	4.75	0.64
I found the laboratory component of the course to be a valuable educational experience.	31	8	1	0	0	3	3	1	4.33	0.61

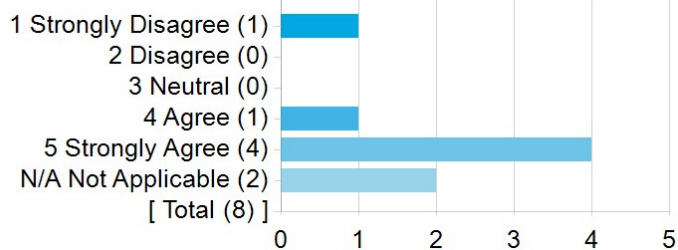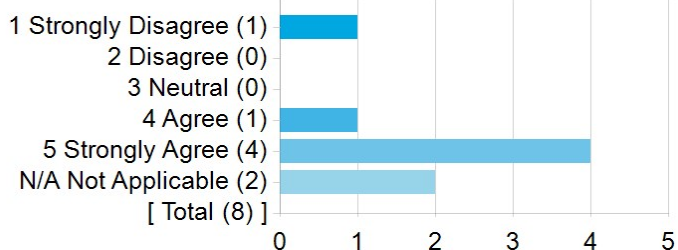| Question	%Favourable
The laboratory materials/procedures were presented in a reasonable level of detail and clarity.	83.33%
If applicable, I feel I was working in a safe laboratory environment.	75.00%
The expectations for assignments were clearly described to students.	57.14%
The laboratory activities complemented and/or helped to increase my understanding of the course material.	83.33%
I found the laboratory component of the course to be a valuable educational experience.	85.71%

Lab Instructor Questions

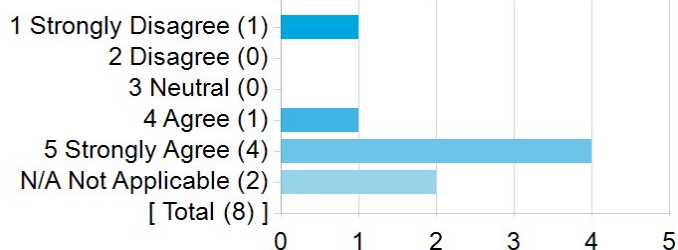### 1. The instructor demonstrated a broad knowledge of the subject.

Response	Count
1 Strongly Disagree (1)	
2 Disagree (0)	
3 Neutral (0)	
4 Agree (2)	
5 Strongly Agree (3)	
N/A Not Applicable (2)	
[Total (8)]	

Scale: 0, 0.5, 1, 1.5, 2, 2.5, 3, 3.5

2. Students were treated respectfully.

Response	Count
1 Strongly Disagree (1)	
2 Disagree (0)	
3 Neutral (0)	
4 Agree (1)	
5 Strongly Agree (4)	
N/A Not Applicable (2)	
[Total (8)]	

Scale: 0, 1, 2, 3, 4, 5

3. The instructor was available to students outside of scheduled lab periods.

Response	Count
1 Strongly Disagree (1)	
2 Disagree (0)	
3 Neutral (0)	
4 Agree (1)	
5 Strongly Agree (4)	
N/A Not Applicable (2)	
[Total (8)]	

Scale: 0, 1, 2, 3, 4, 5

4. The instructor's answers to questions provided me with useful guidance.

Response	Count
1 Strongly Disagree (1)	
2 Disagree (0)	
3 Neutral (0)	
4 Agree (1)	
5 Strongly Agree (4)	
N/A Not Applicable (2)	
[Total (8)]	

Scale: 0, 1, 2, 3, 4, 5

5. The evaluation procedures were fair.

Response	Count
1 Strongly Disagree (1)	
2 Disagree (0)	
3 Neutral (0)	
4 Agree (0)	
5 Strongly Agree (5)	
N/A Not Applicable (1)	
[Total (7)]	

Scale: 0, 1, 2, 3, 4, 5, 6

6. The instructor provided effective feedback.

Response	Count
1 Strongly Disagree (1)	
2 Disagree (0)	
3 Neutral (0)	
4 Agree (0)	
5 Strongly Agree (5)	
N/A Not Applicable (1)	
[Total (7)]	

Scale: 0, 1, 2, 3, 4, 5, 6

7. I found my instructor in the laboratory to be very good.

Response	Count
1 Strongly Disagree (1)	
2 Disagree (0)	
3 Neutral (0)	
4 Agree (2)	
5 Strongly Agree (4)	
N/A Not Applicable (1)	
[Total (8)]	

Scale: 0, 1, 2, 3, 4, 5

Question	N	n	SD	D	N	A	SA	N/A	IM	DI
The instructor demonstrated a broad knowledge of the subject.	31	8	1	0	0	2	3	2	4.50	0.67
Students were treated respectfully.	31	8	1	0	0	1	4	2	4.75	0.64
The instructor was available to students outside of scheduled lab periods.	31	8	1	0	0	1	4	2	4.75	0.64
The instructor's answers to questions provided me with useful guidance.	31	8	1	0	0	1	4	2	4.75	0.64
The evaluation procedures were fair.	31	7	1	0	0	0	5	1	4.90	0.56
The instructor provided effective feedback.	31	7	1	0	0	0	5	1	4.90	0.56
I found my instructor in the laboratory to be very good.	31	8	1	0	0	2	4	1	4.63	0.61

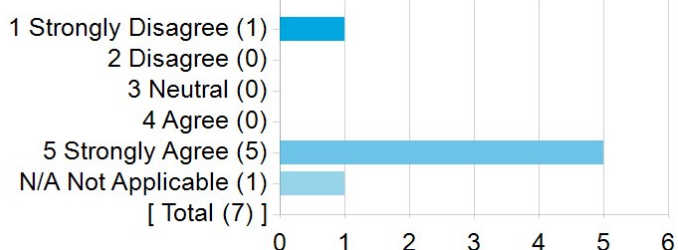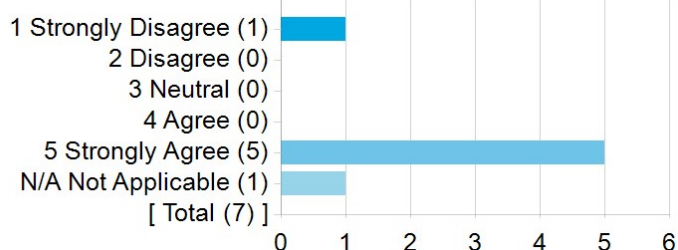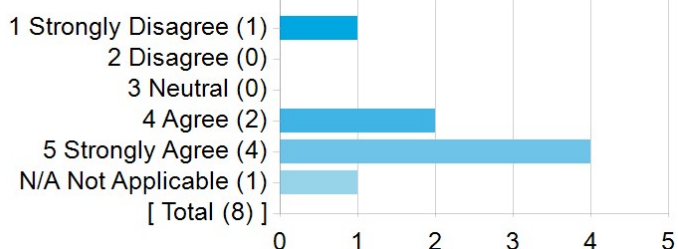| Question	%Favourable
The instructor demonstrated a broad knowledge of the subject.	83.33%
Students were treated respectfully.	83.33%
The instructor was available to students outside of scheduled lab periods.	83.33%
The instructor's answers to questions provided me with useful guidance.	83.33%
The evaluation procedures were fair.	83.33%
The instructor provided effective feedback.	83.33%
I found my instructor in the laboratory to be very good.	85.71%

Open ended feedback

What were the strengths of the course?

Comments
The TA was very friendly and instructive, knew a lot about the material.
He has always shown a great attitude towards COSC courses and showed great ability on solving our problems. Always positive and clear when students are making mistakes in the assignments as well.
–
To be honest, I never used lab hours, as they were not mandatory. My group and I always seemed to have speed bumps on our projects either when no labs were running (and we would solve the problems on our own before the next lab), or when we did not feel we needed help to solve it.

What were the weaknesses?

Comments
The often too precise marking from the instructor
nothing.
–
N/A

What did you most enjoy about it?

Comments
The assignments
quick reply time.
–
N/A

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 Evaluations of Teaching (SEoT) 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 SEoT 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 classes have identical mean (3.8). However, the instructor in class 2 received 77% favourable (4-5) ratings, compared to 53% for the instructor in class 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 UMI	Class 1	Class 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
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 students in the section gave the same rating to the instructor. An index value of 1.0 is obtained when the class splits evenly between the two extreme values (Strongly Disagree & Strongly Agree), a very rare occurrence. In SEoT data at UBC, the index rarely exceeds 0.85, and mostly for evaluations not meeting the minimum recommended response rate.