2022W2 UBCO Individual TA Report for ENGR 320 L2C - Electromechanical Devices (Jared Paull)

Project Title: **2022W2 UBCO TA SEI Surveys**

Course Audience: **27**
Responses Received: **5**
Response Ratio: **19%**

Report Comments

Recommended Minimum Response Rates

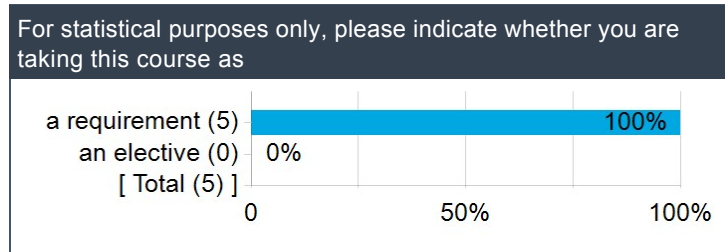| Class Size	Recommended Minimum Response Rates based on 80% confidence & ± 10% margin
< 10	75%
11 - 19	65%
20 - 34	55%
35 - 49	40%
50 - 74	35%
75 - 99	25%
100 - 149	20%
150 - 299	15%
300 - 499	10%
> 500	5%

Legend

N: Expected
n: Responded

Frequency Distribution
SD: Strongly Disagree
D: Disagree
N: Neutral
A: Agree
SA: Strongly Agree
N/A: Not applicable
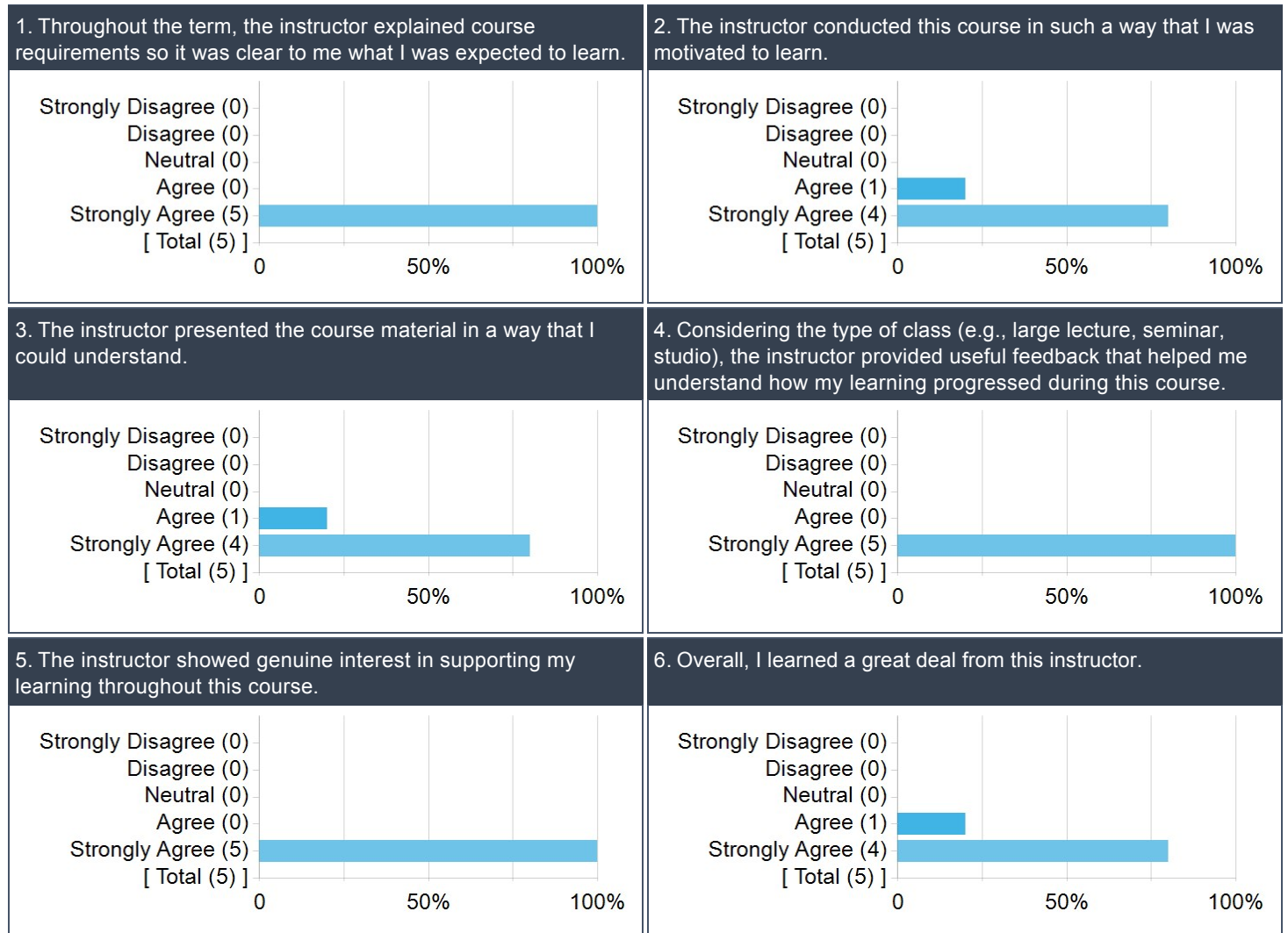
Statistics
IM: Interpolated Median

Creation Date: **Thursday, May 4, 2023**

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Detailed Results

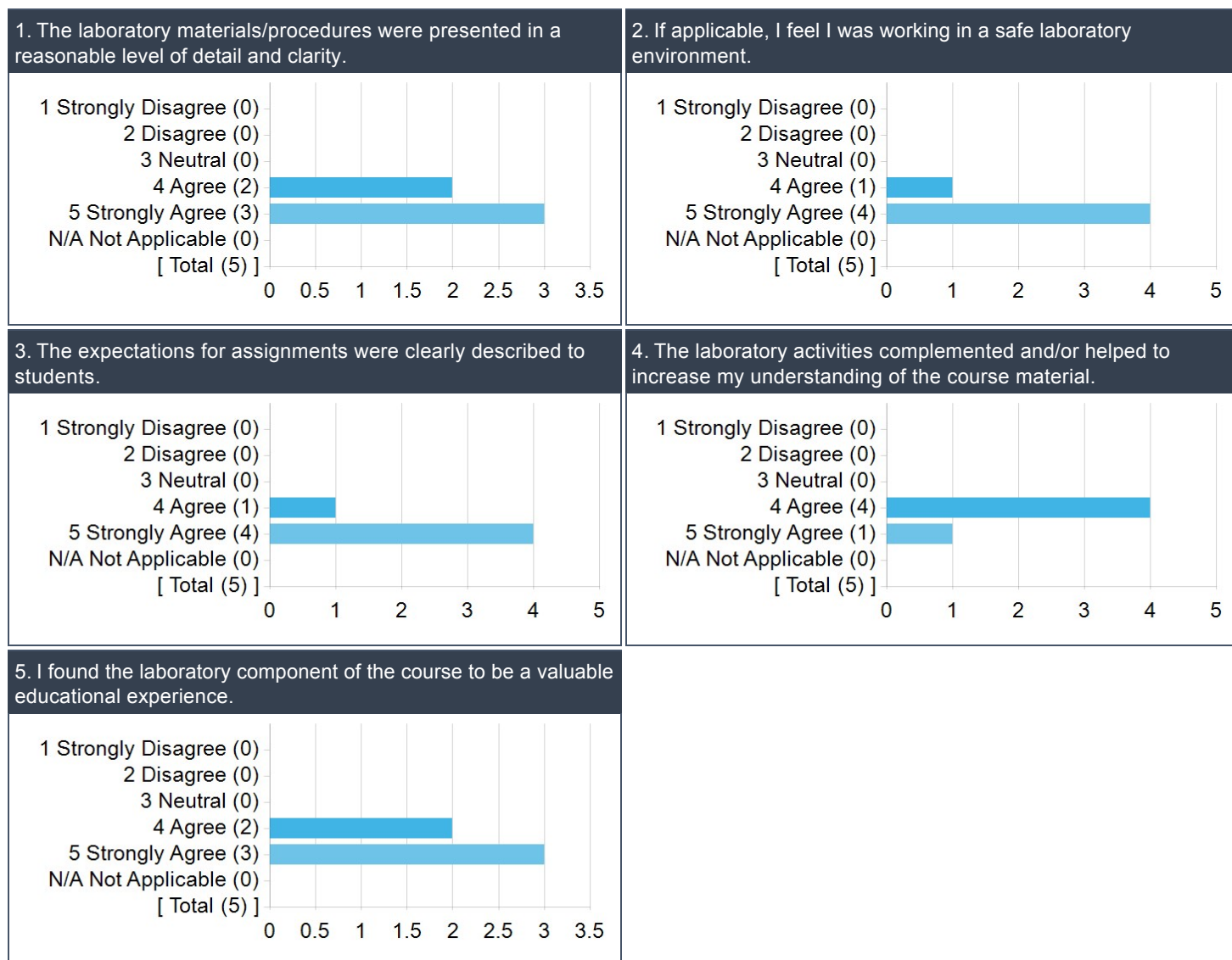## For statistical purposes only, please indicate whether you are taking this course as

For statistical purposes only, please indicate whether you are taking this course as

a requirement (5) — 100%
an elective (0) — 0%
[Total (5)]

University Module Questions

1. Throughout the term, the instructor explained course requirements so it was clear to me what I was expected to learn.

Strongly Disagree (0)
Disagree (0)
Neutral (0)
Agree (0)
Strongly Agree (5)
[Total (5)]

2. The instructor conducted this course in such a way that I was motivated to learn.

Strongly Disagree (0)
Disagree (0)
Neutral (0)
Agree (1)
Strongly Agree (4)
[Total (5)]

3. The instructor presented the course material in a way that I could understand.

Strongly Disagree (0)
Disagree (0)
Neutral (0)
Agree (1)
Strongly Agree (4)
[Total (5)]

4. 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.

Strongly Disagree (0)
Disagree (0)
Neutral (0)
Agree (0)
Strongly Agree (5)
[Total (5)]

5. The instructor showed genuine interest in supporting my learning throughout this course.

Strongly Disagree (0)
Disagree (0)
Neutral (0)
Agree (0)
Strongly Agree (5)
[Total (5)]

6. Overall, I learned a great deal from this instructor.

Strongly Disagree (0)
Disagree (0)
Neutral (0)
Agree (1)
Strongly Agree (4)
[Total (5)]

UBCO Student Experience of Instruction

	N	n	SD	D	N	A	SA	IM	DI
Throughout the term, the instructor explained course requirements so it was clear to me what I was expected to learn.	27	5	0	0	0	0	5	5.0	0.0
The instructor conducted this course in such a way that I was motivated to learn.	27	5	0	0	0	1	4	4.9	0.2
The instructor presented the course material in a way that I could understand.	27	5	0	0	0	1	4	4.9	0.2
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.	27	5	0	0	0	0	5	5.0	0.0
The instructor showed genuine interest in supporting my learning throughout this course.	27	5	0	0	0	0	5	5.0	0.0
Overall, I learned a great deal from this instructor.	27	5	0	0	0	1	4	4.9	0.2

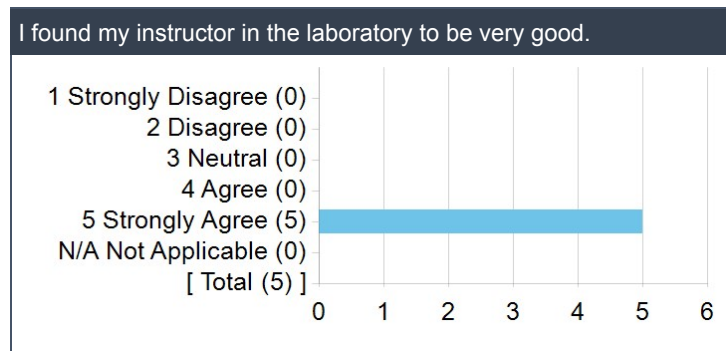| Question	%Favourable
Throughout the term, the instructor explained course requirements so it was clear to me what I was expected to learn.	100%
The instructor conducted this course in such a way that I was motivated to learn.	100%
The instructor presented the course material in a way that I could understand.	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%

Lab Questions

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

```
1 Strongly Disagree (0)
2 Disagree (0)
3 Neutral (0)
4 Agree (2)
5 Strongly Agree (3)
N/A Not Applicable (0)
[ Total (5) ]
       0   0.5   1   1.5   2   2.5   3   3.5
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2. If applicable, I feel I was working in a safe laboratory environment.

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

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

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

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

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

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

```
1 Strongly Disagree (0)
2 Disagree (0)
3 Neutral (0)
4 Agree (2)
5 Strongly Agree (3)
N/A Not Applicable (0)
[ Total (5) ]
       0   0.5   1   1.5   2   2.5   3   3.5
```

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.	27	5	0	0	0	2	3	0	4.7	0.2
If applicable, I feel I was working in a safe laboratory environment.	27	5	0	0	0	1	4	0	4.9	0.2
The expectations for assignments were clearly described to students.	27	5	0	0	0	1	4	0	4.9	0.2
The laboratory activities complemented and/or helped to increase my understanding of the course material.	27	5	0	0	0	4	1	0	4.1	0.2
I found the laboratory component of the course to be a valuable educational experience.	27	5	0	0	0	2	3	0	4.7	0.2

Question	%Favourable
The laboratory materials/procedures were presented in a reasonable level of detail and clarity.	100%
If applicable, I feel I was working in a safe laboratory environment.	100%
The expectations for assignments were clearly described to students.	100%
The laboratory activities complemented and/or helped to increase my understanding of the course material.	100%
I found the laboratory component of the course to be a valuable educational experience.	100%

Lab Instructor Questions

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

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

0 1 2 3 4 5 6

Question	N	n	SD	D	N	A	SA	N/A	IM	DI
I found my instructor in the laboratory to be very good.	27	5	0	0	0	0	5	0	5.0	0.0

Question	%Favourable
I found my instructor in the laboratory to be very good.	100%

Open ended feedback

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

Comments
Nope. Great TA.
Nothing. He is too good
No, the best TA I've ever had.

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

Comments
Hands on & interesting. 4 person lab groups so the work isn't as stressful. I also like how the lab reports were done in class, which lessened the overall course load.
As a mech student with very little interest in electrical content, I can say that Jarred made this course a much better experience than I anticipated it to be. He showed genuine interest in both the course itself, as well as the students taking it. 10/10 TA, would make for a great 320 professor some day

Please provide suggestions on how this course might be improved.

Comments
Update the lab manuals, there were typos and steps that we were allowed to ignore. This goes for all lab courses btw I rarely see a lab manual that is 100% accurate and up–to–date. It's annoying that they always make it the TA's responsibility to have to tell students to disregard certain things/steps.

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
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.