

2023W1 UBCO Individual TA Report for ENGR 458 201/ENGR 558 201(ENGR 458 201 - Power Electronics, ENGR 558 201 - Power Electronics) (Jared Paull)

Project Title: 2023W1 UBCO TA SEI Surveys

Course Audience: 70
Responses Received: 13
Response Ratio: 19%

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%

Legend

N: Expected
n: Responded

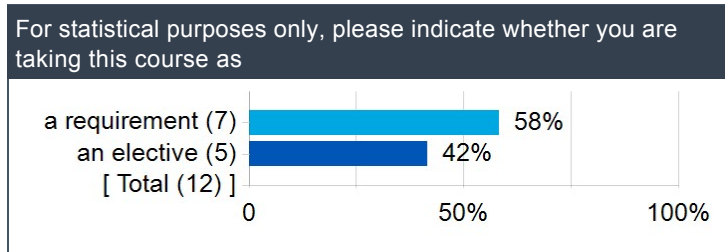
Frequency Distribution

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

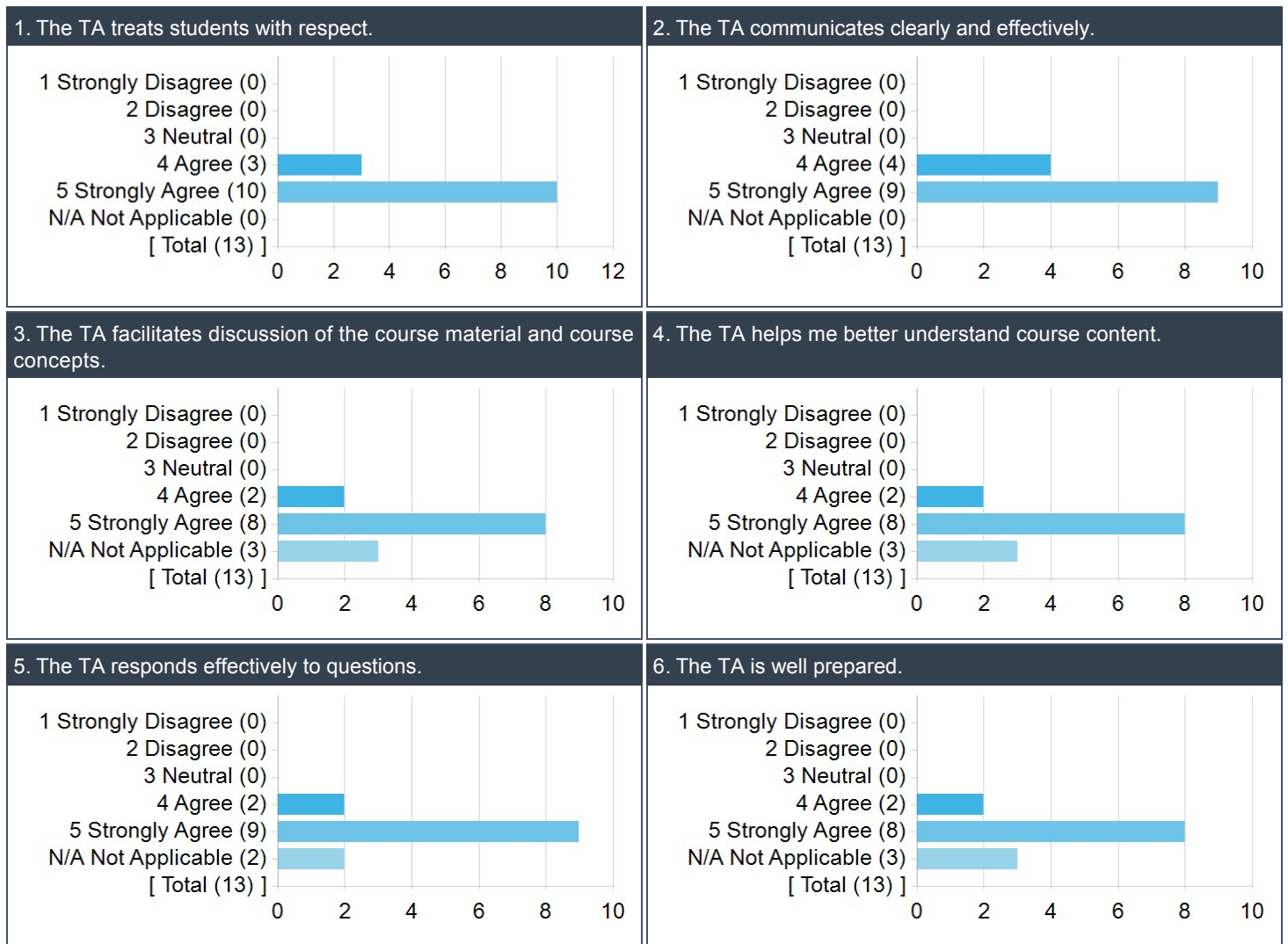
Creation Date: **Monday, January 8, 2024**

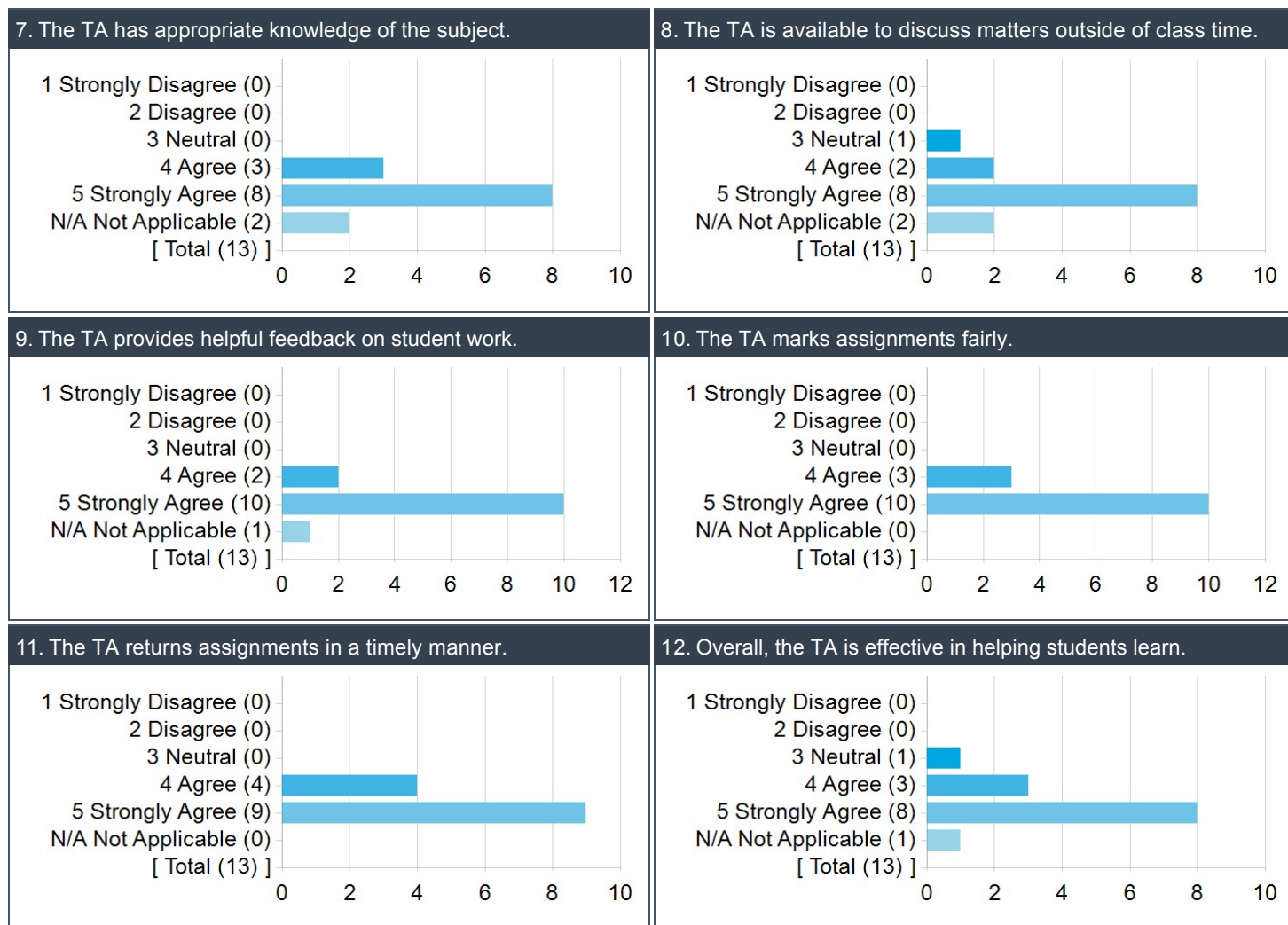
Detailed Results

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



TA Questions





Question	N	n	SD	D	N	A	SA	N/A	IM	DI
The TA treats students with respect.	70	13	0	0	0	3	10	0	4.9	0.2
The TA communicates clearly and effectively.	70	13	0	0	0	4	9	0	4.8	0.2
The TA facilitates discussion of the course material and course concepts.	70	13	0	0	0	2	8	3	4.9	0.2
The TA helps me better understand course content.	70	13	0	0	0	2	8	3	4.9	0.2
The TA responds effectively to questions.	70	13	0	0	0	2	9	2	4.9	0.1
The TA is well prepared.	70	13	0	0	0	2	8	3	4.9	0.2
The TA has appropriate knowledge of the subject.	70	13	0	0	0	3	8	2	4.8	0.2
The TA is available to discuss matters outside of class time.	70	13	0	0	1	2	8	2	4.8	0.3
The TA provides helpful feedback on student work.	70	13	0	0	0	2	10	1	4.9	0.1
The TA marks assignments fairly.	70	13	0	0	0	3	10	0	4.9	0.2
The TA returns assignments in a timely manner.	70	13	0	0	0	4	9	0	4.8	0.2
Overall, the TA is effective in helping students learn.	70	13	0	0	1	3	8	1	4.8	0.3

UBCO Student Experience of Instruction

Question	%Favourable
The TA treats students with respect.	100%
The TA communicates clearly and effectively.	100%
The TA facilitates discussion of the course material and course concepts.	100%
The TA helps me better understand course content.	100%
The TA responds effectively to questions.	100%
The TA is well prepared.	100%
The TA has appropriate knowledge of the subject.	100%
The TA is available to discuss matters outside of class time.	91%
The TA provides helpful feedback on student work.	100%
The TA marks assignments fairly.	100%
The TA returns assignments in a timely manner.	100%
Overall, the TA is effective in helping students learn.	92%

Open ended feedback

What has the Teaching Assistant done well?

Comments
He is helpful during the lab sessions, and we improved our work thanks to his help.
help answer questions in a short time.
This TA only interacts as a marker so as such he does not have a teaching role. He does mark fairly, and with reasonable promptness.
Very responsible, very patient to help us solve the problem

How could the Teaching Assistant improve?

Comments
no
There are no tutorial sessions for this course but there should be.
Very good TA, nothing to improve.

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.

