

## More Detailed Statistics Summary: early-course-survey

## Question: F1-01. Background - early survey

This is an early survey for this physics course. Please let me know if there are any problems. I have put this together from two different survey sources, one mandated by CUPE for sessional instructors, and one used by the Department of Physics for Physics courses, so there might be some repitition of some types of questions.

I have assigned "grades" to each of the survey answers in order to aid in tracking responses. Any "score" you might receive for completing the survey IS NOT recorded as part of your course grades. This survey is anonymous and the results are returned to the instructor only in aggregate form, along with all free response comments.

Please answer each survey question/statement with a response from one to five, with higher numbers representing agreement. I have tried to structure each statement so that "good" responses coorespond with large numbers, so some of the statements may be worded a little strangely. Any questions that are not relevant to your particular situation can just be left blank.

I think that you can hit the "save answer" button after each question and stop at any time to return to the survey later. If you hit the "finish" button, you will not be able to complete any survey questions that you did not answer, so make sure you are completely finished before hitting the "finish" button! However, none of your answers are submitted to me until the "finish" button is pressed, so make sure that you do submit all the answers before the date when the survey will be closed.

The first few questions deal with background information:
What percentage of the lectures did you attend?

1. $0-20 \%$ 2. $20-40 \%$ 3. $40-60 \%$ 4. $60-80 \%$ 5. $80-100 \%$

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 5.00 | 0.00 | 5.0 | 5 | 0 | 0 | 0 | 0 | 0 | 4 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $100.0 \%$ |

Question: F1-02. expected grade
What final grade do you expect to achieve in this course?

1. F 2. D 3. C 4. B 5. A

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 4.50 | 0.58 | 4.5 | 4,5 | 0 | 0 | 0 | 0 | 2 | 2 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $50.0 \%$ | $50.0 \%$ |

## Question: F1-02. tutorial attandenace

What percentage of the tutorials did you attend?

1. $0-20 \%$ 2. $20-40 \%$ 3. $40-60 \%$ 4. $60-80 \%$ 5. $80-100 \%$

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3 | 5.00 | 0.00 | 5.0 | 5 | 1 | 0 | 0 | 0 | 0 | 3 |
|  |  |  |  |  | $25.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $75.0 \%$ |

Question: F2-01. review of past courses
The next few questions deal with course content:

An appropriate amount of time was spent on review of material from previous courses.
$1=$ Disagree Strongly ...... $5=$ Agree Strongly

1. ...... 2. ...... 3. ...... 4. ...... 5. ......

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 4.00 | 1.15 | 4.0 | 3,5 | 0 | 0 | 0 | 2 | 0 | 2 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $50.0 \%$ | $0.0 \%$ | $50.0 \%$ |

## Question: F2-02. amount

The amount of material covered during the course was appropriate.
1 = Disagree Strongly $\qquad$ 5 = Agree Strongly
$\qquad$

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 2.50 | 0.58 | 2.5 | 2,3 | 0 | 0 | 2 | 2 | 0 | 0 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $50.0 \%$ | $50.0 \%$ | $0.0 \%$ | $0.0 \%$ |

Question: F2-03. interesting material
The class material was very interesting.
1 = Disagree Strongly ...... 5 = Agree Strongly

1. $\qquad$ 2. $\qquad$ 3. $\qquad$ 4.
...... 5 $\qquad$

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 2.75 | 0.50 | 3.0 | 3 | 0 | 0 | 1 | 3 | 0 | 0 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $25.0 \%$ | $75.0 \%$ | $0.0 \%$ | $0.0 \%$ |

## Question: F2-04. text

The text was very useful in helping me understand the course material.
$1=$ Disagree Strongly ...... $5=$ Agree Strongly
1.
2. ...... 3.
3. ...... 4
4. . . . . . 5. . . . . .

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 3.25 | 0.50 | 3.0 | 3 | 0 | 0 | 0 | 3 | 1 | 0 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $75.0 \%$ | $25.0 \%$ | $0.0 \%$ |

Question: F2-05. supplementary texts
The supplementary texts were very useful in helping me understand the course material.
1 = Disagree Strongly ...... 5 = Agree Strongly

1. $\qquad$ 2.
2. $\qquad$ 4. . . . . . . 5
3. . . . . . .

| N | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3 | 2.33 | 1.15 | 3.0 | 3 | 1 | 1 | 0 | 2 | 0 | 0 |
|  |  |  |  |  | $25.0 \%$ | $25.0 \%$ | $0.0 \%$ | $50.0 \%$ | $0.0 \%$ | $0.0 \%$ |

Question: F2-06. library resources
The library resources were very useful in helping me understand the course material.
1 = Disagree Strongly ...... $5=$ Agree Strongly
1.
2.
3. $\qquad$ 4. . . . . . 5 $\qquad$

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3 | 2.33 | 1.15 | 3.0 | 3 | 1 | 1 | 0 | 2 | 0 | 0 |
|  |  |  |  |  | $25.0 \%$ | $25.0 \%$ | $0.0 \%$ | $50.0 \%$ | $0.0 \%$ | $0.0 \%$ |

## Question: F2-07. assignment problem interest

The assignment problems were very interesting.
1 = Disagree Strongly $\qquad$ 5 = Agree Strongly

1. $\qquad$ 2. $\qquad$
2. 
3. 
4. 

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 2.75 | 0.50 | 3.0 | 3 | 0 | 0 | 1 | 3 | 0 | 0 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $25.0 \%$ | $75.0 \%$ | $0.0 \%$ | $0.0 \%$ |

Question: F2-08. assignment problem usefulness
The assignment problems were very useful in helping me understand the course material.
1 = Disagree Strongly ...... 5 = Agree Strongly
1.
2. . . . . . .
3. ...... 4
4. . . . . . . 5
5. . . . . . .

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 3.00 | 0.82 | 3.0 | 3 | 0 | 0 | 1 | 2 | 1 | 0 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $25.0 \%$ | $50.0 \%$ | $25.0 \%$ | $0.0 \%$ |

## Question: F2-09. assignment grading

The assignment problems were graded fairly.
1 = Disagree Strongly $\qquad$ $5=$ Agree Strongly

1. . . . . . 2. . . . . . 3. $\qquad$ 4. . . . . . 5. $\qquad$

| $\mathbf{N}$ | Mean | SD | Median | Mode | 而 | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 4.50 | 0.58 | 4.5 | 4,5 | 0 | 0 | 0 | 0 | 2 | 2 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $50.0 \%$ | $50.0 \%$ |

Question: F2-10. term test length
The time allowed for term tests was appropriate.
1 = Disagree Strongly ...... 5 = Agree Strongly

1. ...... 2. ...... 3. ...... 4. ...... 5. ......

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 4.00 | 2.00 | 5.0 | 5 | 0 | 1 | 0 | 0 | 0 | 3 |
|  |  |  |  |  | $0.0 \%$ | $25.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $75.0 \%$ |

Question: F2-10a. term test appropriateness
The term tests provided an accurate evaluation of my understanding of the course material.

1 = Disagree Strongly $\qquad$ 5 = Agree Strongly

1. $\qquad$ 2 $\qquad$ 3. $\qquad$ 4. $\qquad$
$\qquad$

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 3.00 | 1.41 | 3.5 | 4 | 0 | 1 | 0 | 1 | 2 | 0 |
|  |  |  |  |  | $0.0 \%$ | $25.0 \%$ | $0.0 \%$ | $25.0 \%$ | $50.0 \%$ | $0.0 \%$ |

Question: F2-11. term test grading
The term tests were graded fairly.
1 = Disagree Strongly ...... 5 = Agree Strongly

1. ...... 2
2. ...... 3
3. . . . . . . 4
4. ...... 5. ......

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 3.75 | 0.50 | 4.0 | 4 | 0 | 0 | 0 | 1 | 3 | 0 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $25.0 \%$ | $75.0 \%$ | $0.0 \%$ |

Question: F2-12. assignment number
The number of assignments was appropriate.
1 = Disagree Strongly ...... 5 = Agree Strongly

1. $\qquad$
2. 
3. $\qquad$

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 1.25 | 0.50 | 1.0 | 1 | 0 | 3 | 1 | 0 | 0 | 0 |
|  |  |  |  |  | $0.0 \%$ | $75.0 \%$ | $25.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ |

Question: F2-13. tutorial usefulness
The tutorials were very useful in helping me understand the course material.
1 = Disagree Strongly $\qquad$ 5 = Agree Strongly
1.
2. ...... 3
3. ...... 4
. . . . . . 5. ......

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3 | 2.33 | 1.15 | 3.0 | 3 | 1 | 1 | 0 | 2 | 0 | 0 |
|  |  |  |  |  | $25.0 \%$ | $25.0 \%$ | $0.0 \%$ | $50.0 \%$ | $0.0 \%$ | $0.0 \%$ |

## Question: F2-14. tutorial number

The number of tutorials was appropriate.
1 = Disagree Strongly 5 = Agree Strongly
$\qquad$ 2
45

| 3 | 3.00 | 0.00 | 3.0 | 3 | 1 | 0 | 0 | 3 | 0 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | $25.0 \%$ | $0.0 \%$ | $0.0 \%$ | $75.0 \%$ | $0.0 \%$ | $0.0 \%$ |  |

Question: F2-15. computing resources
The computing resources available were adequate.
1 = Disagree Strongly ...... 5 = Agree Strongly

1. $\qquad$ 2 $\qquad$
2. $\qquad$ 4. $\qquad$
$\qquad$

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3 | 3.00 | 0.00 | 3.0 | 3 | 1 | 0 | 0 | 3 | 0 | 0 |
|  |  |  |  |  | $25.0 \%$ | $0.0 \%$ | $0.0 \%$ | $75.0 \%$ | $0.0 \%$ | $0.0 \%$ |

Question: F3-01. Laboratories interest
The next few questions deal with laboratories:
The laboratories for this course were very interesting.
1 = Disagree Strongly $\qquad$ $5=$ Agree Strongly

1. ...... 2
2. ...... 3
3. ...... 4
4. . . . . . 5 $\qquad$

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 4.25 | 0.50 | 4.0 | 4 | 0 | 0 | 0 | 0 | 3 | 1 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $75.0 \%$ | $25.0 \%$ |

## Question: F3-02. laboratories usefulness

The laboratories were very useful in helping me understand the course material.
1 = Disagree Strongly $\qquad$ 5 = Agree Strongly

1. $\qquad$ 2 $\qquad$ 3. $\qquad$ 4. $\qquad$
$\qquad$

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 4.00 | 0.82 | 4.0 | 4 | 0 | 0 | 0 | 1 | 2 | 1 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $25.0 \%$ | $50.0 \%$ | $25.0 \%$ |

## Question: F3-03. lab report grading

The lab reports were graded fairly.
1 = Disagree Strongly ...... 5 = Agree Strongly
1.
2. ...... 3
. ...... 4
4. ...... 5 $\qquad$

| $\mathbf{N}$ | Mean | SD | Median | Mode | 而 | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 5.00 | 0.00 | 5.0 | 5 | 0 | 0 | 0 | 0 | 0 | 4 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $100.0 \%$ |

## Question: F3-04. lab report comments

Comments on lab reports were very useful in helping me understand the course material.
1 = Disagree Strongly
5 = Agree Strongly
$\qquad$
4.

| $\mathbf{N}$ | Mean | SD | Median | Mode | - | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 4.25 | 0.96 | 4.5 | 5 | 0 | 0 | 0 | 1 | 1 | 2 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $25.0 \%$ | $25.0 \%$ | $50.0 \%$ |

## Question: F3-05. lab demonstrator rating

My overall rating of the lab demonstrator is:
$1=$ Poor $\qquad$ 5 = Excellent
1.
2. $\qquad$ 3.
4.
5. . . . . . .

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 5.00 | 0.00 | 5.0 | 5 | 0 | 0 | 0 | 0 | 0 | 4 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $100.0 \%$ |

Question: F3-05b. lab demonstrator effectiveness
The lab deomonstrators were very effective.
1 = Disagree Strongly ...... 5 = Agree Strongly
1.
2.
3.
. . . . . .
4. ...... 5
5. . . . . . .

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 5.00 | 0.00 | 5.0 | 5 | 0 | 0 | 0 | 0 | 0 | 4 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $100.0 \%$ |

## Question: F4-01. new material introduction speed

The next few questions deal with the instructor and in-class presentation:
The speed of introduction of material was appropriate.
1 = Disagree Strongly $\qquad$ 5 = Agree Strongly

1. $\qquad$ 2. $\qquad$ 3. $\qquad$ 4. $\qquad$
$\qquad$

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3 | 1.67 | 0.58 | 2.0 | 2 | 1 | 1 | 2 | 0 | 0 | 0 |
|  |  |  |  |  | $25.0 \%$ | $25.0 \%$ | $50.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ |

Question: F4-02. key concepts
Key concepts were explained very well.
$1=$ Disagree Strongly ...... $5=$ Agree Strongly
1.
2. ...... 3
3. ...... 4. ...... 5.

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 2.00 | 0.82 | 2.0 | 2 | 0 | 1 | 2 | 1 | 0 | 0 |
|  |  |  |  |  | $0.0 \%$ | $25.0 \%$ | $50.0 \%$ | $25.0 \%$ | $0.0 \%$ | $0.0 \%$ |

Question: F4-03. encourage questions
The instructor encouraged the asking of questions in class.

1 = Disagree Strongly ...... 5 = Agree Strongly

1. ...... 2. ...... 3. ...... 4. ...... 5. ......

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 4.75 | 0.50 | 5.0 | 5 | 0 | 0 | 0 | 0 | 1 | 3 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $25.0 \%$ | $75.0 \%$ |

## Question: F4-04. related materials

The instructor related the material to other areas of physics.
$1=$ Disagree Strongly $\ldots . . .5=$ Agree Strongly
1.
2. ...... 3.
3. ...... 4
4. ...... 5. . . . . .

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 3.50 | 0.58 | 3.5 | 3,4 | 0 | 0 | 0 | 2 | 2 | 0 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $50.0 \%$ | $50.0 \%$ | $0.0 \%$ |

Question: F4-05. presentation of material
The in-class presentation of material was done very well.
1 = Disagree Strongly ...... 5 = Agree Strongly

1. $\qquad$ 2. $\qquad$ 3. $\qquad$ 4. $\qquad$
$\qquad$

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 2.25 | 1.26 | 2.0 | 2 | 0 | 1 | 2 | 0 | 1 | 0 |
|  |  |  |  |  | $0.0 \%$ | $25.0 \%$ | $50.0 \%$ | $0.0 \%$ | $25.0 \%$ | $0.0 \%$ |

Question: F4-06. instructor availablity
The instructor was very available to students outside class.
$1=$ Disagree Strongly ...... $5=$ Agree Strongly

1. . . . . . 2.
2. ...... 3
3. ...... 4
4. ...... 5
5. . . . . . .

| $\mathbf{N}$ | Mean | SD | Median | Mode | - | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 4.25 | 0.50 | 4.0 | 4 | 0 | 0 | 0 | 0 | 3 | 1 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $75.0 \%$ | $25.0 \%$ |

## Question: F4-07. instructor helpfullness

When available outside of class, the instructor was very helpful.
1 = Disagree Strongly $\qquad$ 5 = Agree Strongly

1. $\qquad$ 2. $\qquad$ 3. $\qquad$ 4.

5

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 3.75 | 0.96 | 3.5 | 3 | 0 | 0 | 0 | 2 | 1 | 1 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $0.0 \%$ | $50.0 \%$ | $25.0 \%$ | $25.0 \%$ |

Question: F4-07. stimulation of interest

The instructor greatly stimulated my interest in the course material.
1 = Disagree Strongly ...... 5 = Agree Strongly

1. ...... 2. ...... 3. ...... 4. ...... 5. ......

| $\mathbf{N}$ | Mean | SD | Median | Mode | - | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 2.25 | 0.96 | 2.5 | 3 | 0 | 1 | 1 | 2 | 0 | 0 |
|  |  |  |  |  | $0.0 \%$ | $25.0 \%$ | $25.0 \%$ | $50.0 \%$ | $0.0 \%$ | $0.0 \%$ |

## Question: F4-09. Course rating

My overall rating of the course is:
$1=$ Poor $\qquad$ $5=$ Excellent

1. ...... 2. ...... 3 $\qquad$ 4. $\qquad$

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 2.25 | 0.50 | 2.0 | 2 | 0 | 0 | 3 | 1 | 0 | 0 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $75.0 \%$ | $25.0 \%$ | $0.0 \%$ | $0.0 \%$ |

## Question: F4-10. Instructor rating

My overall rating of the instructor of the course is:
$1=$ Poor ...... 5 = Excellent

1. . . . . . 2. . . . . . 3. . . . . . 4. . . . . . 5. . . . . .

| $\mathbf{N}$ | Mean | SD | Median | Mode |  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 2.75 | 1.50 | 2.0 | 2 | 0 | 0 | 3 | 0 | 0 | 1 |
|  |  |  |  |  | $0.0 \%$ | $0.0 \%$ | $75.0 \%$ | $0.0 \%$ | $0.0 \%$ | $25.0 \%$ |

## Detail Summary: early-course-survey

## Question: F2-z. Further comments about course content/resources

What further comments do you have about the course content and/or available resources?

## Responses

```
User ID Response
1 More thourough notes need to be given, more time needs to be
        spent learning not just taking about what we are going to study.
        The lectures need to be more focused and to the point so that we
        maximize our time.
2 I am confused as to what is expected of us to know.
3 There are too many assignments, a better approach would be
        longer assignments less often. Also, there is too much emphasis
        on the text, it should be a second resource for learning as
        opposed to the only one.
4
        no comments
```


## Detail Summary: early-course-survey

## Question: F3-05a. lab demonstrators names

What was(were) the name(s) of the lab demonstrator(s)?


Responses

| User ID | Response |
| :--- | :--- |
| 2 | David Marshall |
| 3 | Dave Marshall |
| 4 | Dave Marshall |

## Detail Summary: early-course-survey

## Question: F3-z. Further comments Laboratories

What further comments do you have about the Laboratories?


## Responses

```
User ID Response
2 I found that the overall content/level of the Labs to be lower than
    the general level of the course material, but they were fun and not
    hard to do.
3 The labs were very enjoyable and interesting. Dave is a very
    helpful and competent lab demonstrator.
4 no comments
```


## Detail Summary: early-course-survey

Question: F4-z. Further comments about instructor and in-class presentation

What further comments do you have about the instructor and in-class presentation?


## Responses

```
User ID Response
3 The lectures for this course are somewhat helpful but I still find I
        must learn everything from the text which is difficult. I learn better
        from hearing and taking notes on the course material and then
        referring to the text for any further clarification.
4 Not enough detailed explaination of key concepts
```


## Detail Summary: early-course-survey

Question: Fz. Further comments about the course overall

What further comments do you have about the course overall?


## Responses

$$
\begin{array}{|ll}
\text { User ID } & \text { Response } \\
2 & \begin{array}{l}
\text { It is difficult to know what to extrapolate from the text compared } \\
\text { to the class notes and with respect to the assignments, which are } \\
\text { very challenging. I don't think enough numerical working is done. }
\end{array} \\
3 & \begin{array}{l}
\text { I think this course could be interesting but so far it has been my } \\
\text { least favourite. However, I have found the labs to be interesting } \\
\text { and appropriate to the course material. }
\end{array} \\
4 & \begin{array}{l}
\text { Interesting course but a lot of assignments. Also felt more like a } \\
\text { reading course }
\end{array}
\end{array}
$$

