

Detailed Statistics Summary: end-of-course-survey

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| Title | N | Frequency | | | | | Mean | SD | Median | Mode | |
|--|---|-----------|---|---|---|---|------|------|--------|------|---------|
| | | - | 1 | 2 | 3 | 4 | | | | | 5 |
| F1-01. Background - end of course survey | 4 | 0 | 0 | 0 | 0 | 0 | 4 | 5.00 | 0.00 | 5.0 | 5 |
| F1-02. expected grade | 4 | 0 | 0 | 0 | 0 | 2 | 2 | 4.50 | 0.58 | 4.5 | 4,5 |
| F1-02. tutorial attendence | 4 | 0 | 0 | 0 | 0 | 0 | 4 | 5.00 | 0.00 | 5.0 | 5 |
| F2-01. review of past courses | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 3.00 | 0.00 | 3.0 | 3 |
| F2-02. amount | 4 | 0 | 0 | 1 | 3 | 0 | 0 | 2.75 | 0.50 | 3.0 | 3 |
| F2-03. interesting material | 4 | 0 | 0 | 2 | 2 | 0 | 0 | 2.50 | 0.58 | 2.5 | 2,3 |
| F2-04. text | 4 | 0 | 0 | 1 | 1 | 1 | 1 | 3.50 | 1.29 | 3.5 | 2,3,4,5 |
| F2-05. supplementary texts | 2 | 2 | 0 | 0 | 2 | 0 | 0 | 3.00 | 0.00 | 3.0 | 0,3 |
| F2-06. library resources | 2 | 2 | 0 | 0 | 2 | 0 | 0 | 3.00 | 0.00 | 3.0 | 0,3 |
| F2-07. assignment problem interest | 4 | 0 | 0 | 1 | 2 | 1 | 0 | 3.00 | 0.82 | 3.0 | 3 |
| F2-08. assignment problem usefulness | 4 | 0 | 0 | 2 | 0 | 2 | 0 | 3.00 | 1.15 | 3.0 | 2,4 |
| F2-09. assignment grading | 4 | 0 | 0 | 0 | 0 | 3 | 1 | 4.25 | 0.50 | 4.0 | 4 |
| F2-10. term test length | 4 | 0 | 0 | 1 | 0 | 1 | 2 | 4.00 | 1.41 | 4.5 | 5 |
| F2-10a. term test appropriateness | 4 | 0 | 0 | 1 | 1 | 1 | 1 | 3.50 | 1.29 | 3.5 | 2,3,4,5 |
| F2-11. term test grading | 4 | 0 | 0 | 0 | 0 | 3 | 1 | 4.25 | 0.50 | 4.0 | 4 |
| F2-12. assignment number | 4 | 0 | 3 | 1 | 0 | 0 | 0 | 1.25 | 0.50 | 1.0 | 1 |
| F2-13. tutorial usefulness | 3 | 1 | 0 | 1 | 1 | 1 | 0 | 3.00 | 1.00 | 3.0 | 0,2,3,4 |
| F2-14. tutorial number | 3 | 1 | 0 | 0 | 2 | 1 | 0 | 3.33 | 0.58 | 3.0 | 3 |
| F2-15. computing resources | 3 | 1 | 0 | 0 | 1 | 1 | 1 | 4.00 | 1.00 | 4.0 | 0,3,4,5 |
| F3-01. Laboratories interest | 4 | 0 | 0 | 0 | 1 | 2 | 1 | 4.00 | 0.82 | 4.0 | 4 |
| F3-02. laboratories usefulness | 4 | 0 | 0 | 0 | 2 | 1 | 1 | 3.75 | 0.96 | 3.5 | 3 |
| F3-03. lab report grading | 4 | 0 | 0 | 0 | 0 | 1 | 3 | 4.75 | 0.50 | 5.0 | 5 |
| F3-04. lab report comments | 4 | 0 | 0 | 0 | 0 | 2 | 2 | 4.50 | 0.58 | 4.5 | 4,5 |
| F3-05. lab demonstrator rating | 4 | 0 | 0 | 0 | 0 | 0 | 4 | 5.00 | 0.00 | 5.0 | 5 |
| F3-05b. lab demonstrator effectiveness | 4 | 0 | 0 | 0 | 0 | 1 | 3 | 4.75 | 0.50 | 5.0 | 5 |
| F4-01. new material introduction speed | 4 | 0 | 0 | 3 | 0 | 1 | 0 | 2.50 | 1.00 | 2.0 | 2 |
| F4-02. key concepts | 4 | 0 | 0 | 2 | 1 | 1 | 0 | 2.75 | 0.96 | 2.5 | 2 |
| F4-03. encourage questions | 4 | 0 | 0 | 0 | 0 | 2 | 2 | 4.50 | 0.58 | 4.5 | 4,5 |
| F4-04. related materials | 4 | 0 | 0 | 1 | 2 | 1 | 0 | 3.00 | 0.82 | 3.0 | 3 |
| F4-05. presentation of material | 4 | 0 | 1 | 2 | 0 | 1 | 0 | 2.25 | 1.26 | 2.0 | 2 |
| F4-06. instructor availability | 4 | 0 | 0 | 0 | 0 | 2 | 2 | 4.50 | 0.58 | 4.5 | 4,5 |
| F4-07. instructor helpfulness | 4 | 0 | 0 | 0 | 2 | 1 | 1 | 3.75 | 0.96 | 3.5 | 3 |
| F4-07. stimulation of interest | 4 | 0 | 1 | 1 | 2 | 0 | 0 | 2.25 | 0.96 | 2.5 | 3 |
| F4-09. Course rating | 4 | 0 | 0 | 3 | 1 | 0 | 0 | 2.25 | 0.50 | 2.0 | 2 |
| F4-10. Instructor rating | 4 | 0 | 0 | 2 | 1 | 1 | 0 | 2.75 | 0.96 | 2.5 | 2 |

More Detailed Statistics Summary: end-of-course-survey

Question: F1-01. Background - end of course survey

This is the end of course 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 repetition 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 correspond 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%

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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 attendance

What percentage of the tutorials did you attend?

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

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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: 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.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 5 |
|---|------|------|--------|------|------|------|------|--------|------|------|
| 4 | 3.00 | 0.00 | 3.0 | 3 | 0 | 0 | 0 | 4 | 0 | 0 |
| | | | | | 0.0% | 0.0% | 0.0% | 100.0% | 0.0% | 0.0% |

Question: F2-02. amount

The amount of material covered during the course was appropriate.

1 = Disagree Strongly 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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: F2-03. interesting material

The class material was very interesting.

1 = Disagree Strongly 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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: F2-04. text

The text was very useful in helping me understand the course material.

1 = Disagree Strongly 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 5 |
|---|------|------|--------|---------|------|------|-------|-------|-------|-------|
| 4 | 3.50 | 1.29 | 3.5 | 2,3,4,5 | 0 | 0 | 1 | 1 | 1 | 1 |
| | | | | | 0.0% | 0.0% | 25.0% | 25.0% | 25.0% | 25.0% |

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. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 5 |
|---|------|------|--------|------|-------|------|------|-------|------|------|
| 2 | 3.00 | 0.00 | 3.0 | 0,3 | 2 | 0 | 0 | 2 | 0 | 0 |
| | | | | | 50.0% | 0.0% | 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. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 5 |
|---|------|------|--------|------|-------|------|------|-------|------|------|
| 2 | 3.00 | 0.00 | 3.0 | 0,3 | 2 | 0 | 0 | 2 | 0 | 0 |
| | | | | | 50.0% | 0.0% | 0.0% | 50.0% | 0.0% | 0.0% |

Question: F2-07. assignment problem interest

The assignment problems were very interesting.

1 = Disagree Strongly 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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: F2-08. 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. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 5 |
|---|------|------|--------|------|------|------|-------|------|-------|------|
| 4 | 3.00 | 1.15 | 3.0 | 2,4 | 0 | 0 | 2 | 0 | 2 | 0 |
| | | | | | 0.0% | 0.0% | 50.0% | 0.0% | 50.0% | 0.0% |

Question: F2-09. assignment grading

The assignment problems were graded fairly.

1 = Disagree Strongly 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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: F2-10. term test length

The time allowed for term tests was appropriate.

1 = Disagree Strongly 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 5 |
|---|------|------|--------|------|---|---|---|---|---|---|
| 4 | 4.00 | 1.41 | 4.5 | 5 | 0 | 0 | 1 | 0 | 1 | 2 |

| | | | | | | | | | |
|--|--|--|--|------|------|-------|------|-------|-------|
| | | | | 0.0% | 0.0% | 25.0% | 0.0% | 25.0% | 50.0% |
|--|--|--|--|------|------|-------|------|-------|-------|

Question: F2-10a. term test appropriateness

The term tests provided an accurate evaluation of my understanding of the course material.

1 = Disagree Strongly 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 5 |
|---|------|------|--------|---------|------|------|-------|-------|-------|-------|
| 4 | 3.50 | 1.29 | 3.5 | 2,3,4,5 | 0 | 0 | 1 | 1 | 1 | 1 |
| | | | | | 0.0% | 0.0% | 25.0% | 25.0% | 25.0% | 25.0% |

Question: F2-11. term test grading

The term tests were graded fairly.

1 = Disagree Strongly 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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: F2-12. assignment number

The number of assignments was appropriate.

1 = Disagree Strongly 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 5 |
|---|------|------|--------|---------|-------|------|-------|-------|-------|------|
| 3 | 3.00 | 1.00 | 3.0 | 0,2,3,4 | 1 | 0 | 1 | 1 | 1 | 0 |
| | | | | | 25.0% | 0.0% | 25.0% | 25.0% | 25.0% | 0.0% |

Question: F2-14. tutorial number

The number of tutorials was appropriate.

1 = Disagree Strongly 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 5 |
|---|------|------|--------|------|-------|------|------|-------|-------|------|
| 3 | 3.33 | 0.58 | 3.0 | 3 | 1 | 0 | 0 | 2 | 1 | 0 |
| | | | | | 25.0% | 0.0% | 0.0% | 50.0% | 25.0% | 0.0% |

Question: F2-15. computing resources

The computing resources available were adequate.

1 = Disagree Strongly 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 5 |
|---|------|------|--------|---------|-------|------|------|-------|-------|-------|
| 3 | 4.00 | 1.00 | 4.0 | 0,3,4,5 | 1 | 0 | 0 | 1 | 1 | 1 |
| | | | | | 25.0% | 0.0% | 0.0% | 25.0% | 25.0% | 25.0% |

Question: F3-01. Laboratories interest

The next few questions deal with laboratories:

The laboratories for this course were very interesting.

1 = Disagree Strongly 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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: F3-02. laboratories usefulness

The laboratories were very useful in helping me understand the course material.

1 = Disagree Strongly 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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: F3-03. lab report grading

The lab reports were graded fairly.

1 = Disagree Strongly 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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: 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

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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: F3-05. lab demonstrator rating

My overall rating of the lab demonstrator is:

1 = Poor 5 = Excellent

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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: F4-01. 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 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 5 |
|---|------|------|--------|------|------|------|-------|------|-------|------|
| 4 | 2.50 | 1.00 | 2.0 | 2 | 0 | 0 | 3 | 0 | 1 | 0 |
| | | | | | 0.0% | 0.0% | 75.0% | 0.0% | 25.0% | 0.0% |

Question: F4-02. key concepts

Key concepts were explained very well.

1 = Disagree Strongly 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 5 |
|---|------|------|--------|------|------|------|-------|-------|-------|------|
| 4 | 2.75 | 0.96 | 2.5 | 2 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | | | | 0.0% | 0.0% | 50.0% | 25.0% | 25.0% | 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.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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: F4-04. related materials

The instructor related the material to other areas of physics.

1 = Disagree Strongly 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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: F4-05. presentation of material

The in-class presentation of material was done very well.

1 = Disagree Strongly 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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 availability

The instructor was very available to students outside class.

1 = Disagree Strongly 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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: F4-07. instructor helpfulness

When available outside of class, the instructor was very helpful.

1 = Disagree Strongly 5 = Agree Strongly

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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 5 = Excellent

1. 2. 3. 4. 5.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 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.

| N | Mean | SD | Median | Mode | - | 1 | 2 | 3 | 4 | 5 |
|---|------|------|--------|------|------|------|-------|-------|-------|------|
| 4 | 2.75 | 0.96 | 2.5 | 2 | 0 | 0 | 2 | 1 | 1 | 0 |
| | | | | | 0.0% | 0.0% | 50.0% | 25.0% | 25.0% | 0.0% |

Detail Summary: end-of-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 | I think an assignment a week is fine, however, they required an excessive amount of time and effort. |
| 2 | There were far too many assignments. Too much time was spent on this course compared to other courses. |
| 3 | nothing, content was just enough |
| 4 | There were too many assignments in the course. We could have had half the number and been better off. Especially since assignments contained substantial review of previous week's readings rather than focusing on that week's material. |

Detail Summary: end-of-course-survey

Question: F3-05a. lab demonstrators names

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

Responses

| User ID | Response |
|---------|---------------|
| 1 | Dave Marshall |
| 2 | Dave Marshall |
| 3 | Dave Marshall |
| 4 | Dave Marshall |

Detail Summary: end-of-course-survey

Question: F3-z. Further comments Laboratories

What further comments do you have about the Laboratories?

Responses

| User ID | Response |
|---------|---|
| 1 | They didn't relate to the material that well; i.e. Fresnel and Fraunhofer stuff |
| 2 | Labs were very interesting and fun:) |
| 3 | n/a |

Detail Summary: end-of-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 |
|---------|---|
| 1 | I found the general content consistently confusing, however the structure of the lectures clarified it a little. |
| 2 | I would prefer less reference to the text and more lecture notes. This would give me two sources to learn from as opposed to one. |
| 3 | wish there was more in-class lecturing |
| 4 | The lectures needed more structure and concrete notes. There were too many assignments considering there was so much reading and lab work, not to mention other courses. For the chosen teaching style to work, the instructor must ask questions that draw the physics ideas out of the students...often the questions asked were too obvious and therefore had no relevance to what was going on. |

Detail Summary: end-of-course-survey

Question: Fz. Further comments about the course overall

What further comments do you have about the course overall?

Responses

| User ID | Response |
|---------|---|
| 1 | none |
| 2 | The course was rather frustrating and I don't feel like I'm coming away having learned very much. |
| 3 | n/a |
| 4 | Chapter 15 should have been done earlier as Fourier Analysis is so important in physics...it just got crammed in at the end. My advise, break up ch 15 and do Fourier with the waves on a string in the first term then go back and look at the energies after Fraunhofer has been studied. |