

Course Evaluations

Session: Summer 1, 2017
Instructor: Valentin Voroshilov
Course: CAS PY105-A1 Elementary Physics 1

STATISTICS REFLECT FREQUENCY OF RESPONSES

Number of students enrolled: 81
 Number of students responding: 69
 Percent of enrolled students responding: 85

| SECTION A: COURSE EVALUATION: | NR | Poor | | | Superior | | | Mean | StDev |
|--|----|------|---|----|----------|----|-------|-------|-------|
| | | 1 | 2 | 3 | 4 | 5 | | | |
| 1 The extent to which you found the class intellectually challenging | 0 | 0 | 3 | 17 | 32 | 17 | 3.913 | 0.818 | |
| 2 The extent that assignments furthered your understanding of course content | 0 | 0 | 1 | 4 | 31 | 33 | 4.391 | 0.669 | |
| 3 The extent that the class normally met the required number of hours | 0 | 0 | 1 | 4 | 20 | 44 | 4.551 | 0.676 | |
| 4 I found the textbook/cases/course materials | 0 | 0 | 3 | 15 | 26 | 25 | 4.058 | 0.873 | |
| 5 The extent to which I would recommend this course to others | 0 | 1 | 2 | 6 | 30 | 30 | 4.246 | 0.847 | |
| 6 I would rate the course overall as | 0 | 0 | 2 | 9 | 28 | 30 | 4.246 | 0.793 | |

| SECTION B: INSTRUCTOR EVALUATION: | NR | 1 | 2 | 3 | 4 | 5 | Mean | StDev |
|---|----|---|---|----|----|----|-------|-------|
| 7 The instructor's ability to present material is | 0 | 2 | 2 | 7 | 29 | 29 | 4.174 | 0.939 |
| 8 I would rate the instructor's enthusiasm as | 0 | 0 | 2 | 3 | 20 | 44 | 4.536 | 0.719 |
| 9 The instructor's ability to encourage questions/discussion is | 0 | 0 | 3 | 13 | 18 | 35 | 4.232 | 0.910 |
| 10 The instructor's mastery of the course materials is | 0 | 0 | 1 | 2 | 13 | 53 | 4.710 | 0.597 |
| 11 The extent to which the instructor's grading criteria are clear and fair | 0 | 0 | 0 | 4 | 19 | 46 | 4.609 | 0.599 |
| 12 The extent to which the instructor returned assignments in a timely manner | 0 | 0 | 0 | 1 | 8 | 60 | 4.855 | 0.394 |
| 13 The instructor's overall rating is | 0 | 0 | 3 | 4 | 20 | 42 | 4.464 | 0.797 |

| SECTION C: ADDITIONAL INFORMATION: | NR | 1 | 2 | 3 | 4 | 5 | Mean | StDev |
|---|----|---|---|----|----|----|-------|-------|
| 14 How would you rate your Boston University Summer Term experience, overall? | 0 | 1 | 2 | 13 | 33 | 20 | 4.000 | 0.857 |

| | NR | Yes | No | Mean | StDev |
|---|----|-----|----|-------|-------|
| 15 Are you a Boston University student? | 0 | 56 | 13 | 1.188 | 0.394 |
| 16 Are you an international student? | 1 | 13 | 55 | 1.809 | 0.396 |

| | NR | C or less | A- or A | Mean | StDev | | |
|---|----|-----------|---------|------|-------|-------|-------|
| 17 What grade do you expect to receive in the course? | 0 | 0 | 4 | 21 | 44 | 3.580 | 0.604 |

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Number of students enrolled: 81

Number of students responding: 69

Percent of enrolled students responding: 85

| SECTION A: COURSE EVALUATION: | NR | Poor | | | Superior | | | Mean | StDev |
|--|----|------|---|----|----------|----|-------|-------|-------|
| | | 1 | 2 | 3 | 4 | 5 | | | |
| 1 The extent to which you found the class intellectually challenging | 0 | 0 | 4 | 24 | 46 | 24 | 3.913 | 0.818 | |
| 2 The extent that assignments furthered your understanding of course content | 0 | 0 | 1 | 5 | 44 | 47 | 4.391 | 0.669 | |
| 3 The extent that the class normally met the required number of hours | 0 | 0 | 1 | 5 | 28 | 63 | 4.551 | 0.676 | |
| 4 I found the textbook/cases/course materials | 0 | 0 | 4 | 21 | 37 | 36 | 4.058 | 0.873 | |
| 5 The extent to which I would recommend this course to others | 0 | 1 | 2 | 8 | 43 | 43 | 4.246 | 0.847 | |
| 6 I would rate the course overall as | 0 | 0 | 2 | 13 | 40 | 43 | 4.246 | 0.793 | |

| SECTION B: INSTRUCTOR EVALUATION: | NR | 1 | 2 | 3 | 4 | 5 | Mean | StDev |
|---|----|---|---|----|----|----|-------|-------|
| 7 The instructor's ability to present material is | 0 | 2 | 2 | 10 | 42 | 42 | 4.174 | 0.939 |
| 8 I would rate the instructor's enthusiasm as | 0 | 0 | 2 | 4 | 28 | 63 | 4.536 | 0.719 |
| 9 The instructor's ability to encourage questions/discussion is | 0 | 0 | 4 | 18 | 26 | 50 | 4.232 | 0.910 |
| 10 The instructor's mastery of the course materials is | 0 | 0 | 1 | 2 | 18 | 76 | 4.710 | 0.597 |
| 11 The extent to which the instructor's grading criteria are clear and fair | 0 | 0 | 0 | 5 | 27 | 66 | 4.609 | 0.599 |
| 12 The extent to which the instructor returned assignments in a timely manner | 0 | 0 | 0 | 1 | 11 | 86 | 4.855 | 0.394 |
| 13 The instructor's overall rating is | 0 | 0 | 4 | 5 | 28 | 60 | 4.464 | 0.797 |

| SECTION C: ADDITIONAL INFORMATION: | NR | 1 | 2 | 3 | 4 | 5 | Mean | StDev |
|---|----|---|---|----|----|----|-------|-------|
| 14 How would you rate your Boston University Summer Term experience, overall? | 0 | 1 | 2 | 18 | 47 | 28 | 4.000 | 0.857 |

| | NR | Yes | No | Mean | StDev |
|---|----|-----|----|-------|-------|
| 15 Are you a Boston University student? | 0 | 81 | 18 | 1.188 | 0.394 |
| 16 Are you an international student? | 1 | 18 | 79 | 1.809 | 0.396 |

| | NR | C or less | A- or A | Mean | StDev | | |
|---|----|-----------|---------|------|-------|-------|-------|
| 17 What grade do you expect to receive in the course? | 0 | 0 | 5 | 30 | 63 | 3.580 | 0.604 |

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Student Comments:

About the Instructor:

He really cares about his students and provides the appropriate materials for their success. Improve: Some of the slides about theory can be a little disorganized (a lot to look at and appears a little messy).

Good instructor. Helps students learn well.

Good at breaking things down.

Passionate about teaching. Good demos in class. Improve: Maybe not go so fast.

Mr. Voroshilov has a clear understanding of all he teaches and is a master on the subject. Improve: However, he almost knows it too much that he teaches it in a difficult way and doesn't do enough practical problems.

Mr. Voroshilov does a good job of doing example problems with a simple approach to make material clear. Improve: He takes too much time on easy problems and goes too quick for hard ones.

Gives very fair exams. Improve: Moves too quickly though some of the material.

Strong: Lots of resources and office hours. Improve: Write clearly. Go more slowly in class.

Great explanation of concepts.

Very enthusiastic. Used lots of demonstrations. Always made time for questions. Improve: Felt rushed, probably just the nature of a summer course though.

Gives many question examples. Each lecture has many helpful visuals. Improve: Organization of presentation because it can be very confusing sometimes.

Very funny. Genuinely interested in the best ways to teach material.

Enthusiastic and entertaining.

Very funny in some way. Goes over the course concepts clearly. Improve: Speak louder.

Incredibly funny and encouraging. Really enjoyed the class.

Very clear and knowledgeable. Funny. Made class fun and attainable. Improve: Go a little slower on formula slides, so we can write it down.

Very quick email response time. Improve: Make sure to speak and write clearly. Number slides for easy reference later on.

Cares about students. Jokes around with them. Interactive, asks students for input.

Obviously knows material very well and keeps class engaged. Encourages participation. Improve: Clarity of work done in practice problems. Make sure class knows why the steps were taken to solve problems.

Very intelligent, knows material very well. Improve: Handwriting on board is truly terrible. Hard to follow along and look back at notes. This hugely affects general understanding in course.

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Makes the class entertaining. I find physics to be boring at times but he keeps things fun. Very fair grader and I like his tests.

He is clearly passionate about physics. His accent is not a problem, because he genuinely tries to speak slowly and clearly. His class demonstrations are really helpful.

Great.

Strong: Many examples. Improve: Speak clearly.

Fantastic. Love his humor, makes class fun. Tons of office hour availability which is great. Very good at explaining concepts. Improve: Speed was fast but appropriate for a summer course.

Exams are good. Fair in grading. Improve: More demonstrations.

He clearly cares about not only the material, but his students' grasp of physics. He did his best to show and not tell. Also, examples in class made up for the fast pace. I respect how his exams clearly reflect material from class and show a true understanding of presented material. Improve: He has mastered how to teach this course. Only important would be closer instruction of TAs.

Professor is very knowledgeable and explains concepts well. His demonstrations are useful and fun.

He clearly loves physics. While he has typos a lot it doesn't ever interfere with clarity of lecture. Improve: Generally make sure hand-written PowerPoint notes are clear (usually are).

Instructor is passionate about material, quick to answer questions (email and in person). Instructor knows about material well and truly cares about students. At office hours, instructor is extremely helpful and patient explaining concepts clearly. 10/10 experience.

Nice.

The professor is good at explaining concepts. He makes lecture interesting and is funny. He also is available for office hours regularly. Improve: I believe his handwriting could be slightly clearer at times.

Fantastic teacher. I suck at physics and Mr. Voroshilov made it very straightforward, understandable and manageable. Also hilarious.

Strong: Humor and many physical demonstrations of concepts. Improve: Articulation.

Very fun. Some of the funniest moments in my college experience. Great format. Improve: Sometimes can over explain too much, and under explain something else. A good middle ground of explaining would be great.

Helps walk students through questions, does not mind back-tracking in case a student doesn't understand. Has a lot of visuals and experiments that he does to help us understand the material better.

Very funny and engaging. Inspires interest. Improve: Handwriting for numbers like 4 and 9.

Mr. Voroshilov presented the material in a clear and effective manner. Demonstrations and practice problems done in class were very helpful.

Seems to care about students. Improve: Try to explain concepts better, rather than just focusing on examples.

Knowledgeable. Morbid humor. Improve: Slides are not structured.

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Mr. Voroshilov seems enthusiastic about the topics, presents material clearly and keeps lectures engaging.

He does great demonstrations and lots of example problems. Improve: Sometimes his PowerPoint slides have too much information and it's hard to write everything in class.

Mr. Voroshilov has a teaching technique that is almost flawless, and I wish more professors had the ability to make a class as lively and interesting as Mr. Voroshilov has done this summer. He was literally ready to risk his life to show us demonstrations, solved as many problems as he possibly could, and was fair in exams. Way to go, wish more professors were like you.

Knowledgeable. Provides excellent class materials (PowerPoint, recorded lectures etc.). Assignments indicative of challenge level. Improve: Incredibly strict on attendance (I understand this, but some students need to work or have internships etc.) Possibly more opportunities for flexibility, make-ups, office hours etc.

Strong: Enthusiasm and humor. Explaining how to keep going through problems with variables. Improve: Showing theory super-fast before going to examples (then I can't even remember what I just learned).

Good.

Interesting.

Great demonstrations and examples in class. Improve: Make the slides clearer.

Mr. Voroshilov was an excellent professor. He quickly responded to all questions and was often available outside of class. He included demonstrations during almost every lecture that were both helpful and fun.

Strong lecture demonstrations. Good paring. Great dry humor. Very knowledgeable and well organized. Improve: Although overall pacing is good, there are moments when information seems squeezed at the last second (more is toward end of semester).

Very clear. Fair. Encourages questions. Works well with practical problems. Improve: Could be louder.

Knew the material and was able to teach it well. Improve: A better pacing perhaps. The easier topics were drawn out and the harder ones rushed.

I wish the slides were numbered because he goes fast (I get it, it's summer term). And I would like to know what specific slide I need to review. I like that he does example problems after each topic. It is helpful. Improve: He thinks physics is easy. Maybe he should be more understanding that not everyone is as versed in and excited about the topic as he is.

Strong: PowerPoints. Dedication to providing students with resources, i.e. piazza, office hours, PowerPoint, promptly put up. Good communication. Very fair. Improve: Slower on some problem solving, so students can have a chance to do on their own or copy in notes.

Mr. Voroshilov is really good at explaining concepts. He helps me regain my confidence in physics. He is super helpful outside class. I love his jokes.

He is knowledgeable about the material. Improve: His tone, enthusiasm and ability to engage with students is lacking. It's clear he knows what he's talking about, but it's nearly impossible to stay engaged during a lecture.

Strong: Example problems completed in class and his encouragement that physics can be simple (confidence). He is much better in a one-to-one or one-to-few setting. Improve: Slides are very cluttered and difficult to follow when he is teaching. This contributes to the class being unaware what he is talking about and when he is changing from one subject to the next.

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Strong: Patient. Useful demonstrations. Useful practice problems. Improve: Difficult-to-read handwriting. Disordered problem-solving (in terms of solving on a screen, e.g. instead of writing steps 1, 2, 3, 4.....)

Clear. Plenty of office hours. Readings helped.

The professor is really clear. His lectures and presentations do not simply gave explanations to memorize but rather comprehend them. He accomplishes this through demonstrations with experiments. Engaged students in problem solving. Also he makes the lectures interesting. Improve: Maybe review sessions with just solving problems would be helpful.

The professor is good at explaining concepts. He makes lecture interesting and is funny. He also is available for office hours regularly. Improve: I believe his handwriting could be slightly clearer at times.

About the Course:

Homework relates well to exams. Improve: Labs are useless.

Improve: Lab isn't very helpful.

Strong: Exam is fair. Improve: Too many assignments.

Strong: Demonstrations. Improve: Too fast.

Improve: St lectures to labs.

Improve: Lab Teaching Fellow's need to have a better understanding of the lab being conducted.

Fair grading. Logical progression of material.

Strong: Timely manner.

Improve: TAs and homework are very helpful. Office hours are a must.

Homework and practice materials were great. Improve: Lab was at times chaotic and TFs weren't always prepared. Long and tedious.

Strong: The homework assignments were of reasonable length and relevant to the exams. Improve: Labs often confusing.

Improve: Demos in class really helped solidify material. Brought up material I hadn't seen before. Improve: A bit simplistic at times.

Improve: Not at 8.30 am in the morning, please.

Fairly difficult course that is well timed and organized.

Improve: 8.30 am is not a good time for a 1.5 hour physics lecture.

Great.

Like lecture more than the studio style doing the year. Demonstrations during class really helped understanding. Covered a variety of topics.

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Strong: Comprehensive. Well explained. Manageable timeline and fast pace. Improve: Labs are needlessly long.

Improve: Make labs more applicable to material learned in class and what is on exams.

Strong: No punishment for labs. Either 100% or 0% is great. Improve: It's tough but has to be if equivalent to fall term.

Easy. Improve: Lab too long.

I found the course interesting and challenging enough. I learned a lot.

Great TFs. Improve: I still hate physics with all my heart (the topic, not the class).

Strong: Demonstrations.

Interesting and entertaining.

Grading is simple. Exams are fair. Homework is a great study tool.

Interesting and fun. Improve: Occasionally lab is unclear and TFS are unsure.

Class was well-paced and challenging.

Dr. Voroshilov is a good guy. Improve: Structured slides.

Clear guidelines. Lab and homework are helpful. Improve: Better preparation by TF's before lab.

Mr. Voroshilov is great at explaining concepts. Homework is very helpful. Exams are fair. Improve: Sometimes the labs don't work. TFs should have answer keys, so we don't waste time doing something wrong.

Fair paced since it's summer, but absolutely achievable with some daily hard work. So glad I took it in summer, and was pleased that the exams were similar to what was done in class, so there were no surprises.

Good learning level.

Homework is easy to turn in, relates very well to exam questions. Improve: Labs are a little hard to understand, and the physical components had lots of frustrating glitches.

Attendance should not matter so much. Improve: A for above 95 is irrational. It's too difficult.

Interesting.

Improve: The lab is not always well instructed.

The class was designed well for the summer term schedule. I learned a lot and exams and assignments were fair.

Fair. Goes well with book. Tests are fair. Homework is good.

Fair grading. Unlike most science classes at BU, if you knew the material, the test grade reflected it.

Strong: Homework and office hours are very helpful. Improve: No tests on Monday morning. That is cruel.

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Fair. Clear material. Improve: Fewer days a week, longer lecture per day.

It covers the material of a basic physics course in a way that's not too demanding. Improve: If the instruction were more engaging. I would be more eager to learn and participate.

Strong: Office hours. Recorded lectures. Straightforward keys to success. Improve: Lab structure and organization. Lecture value: simplify slides or possibly make them available prior to lecture so students can prepare. I read the text book, but often lecture material did not align with syllabus.

Fair expectations. Helpful TFs. Many tools. Accelerated pace.

The labs are really helpful in better comprehending the concepts that you are learning in class. Improve: Review sessions with professor or TA would be nice.

I found the course interesting and challenging enough. I learned a lot!