



Rutgers University Student Instructional Rating

Summer 2023

Frolov, Lawrence - LAF230

Differential Equations For Engineering And Physics -
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Survey Form: *Standard SIRS

Enrollment: 19

University-wide Instructor Questions

Weight of responses: 1=SD (Strongly Disagree), 2=D (Disagree), 3=N (Neutral), 4=A (Agree), 5=SA (Strongly Agree),
Resp=Number of Student Responses

Weighted Means: Section, Course, Level, Department

	SD	D	N	A	SA	Resp	Section	Course	Level	Dept
The instructor Lawrence Frolov was prepared for class and presented the material in an organized manner.	0	0	0	2	6	8	4.75	4.46	4.44	4.44
The instructor Lawrence Frolov responded effectively to student comments and questions.	0	0	0	1	7	8	4.88	4.51	4.37	4.38
The instructor Lawrence Frolov generated interest in the course material.	0	0	0	3	5	8	4.63	4.24	4.21	4.29
The instructor Lawrence Frolov had a positive attitude toward assisting all students in understanding course material.	0	0	0	0	8	8	5.00	4.59	4.49	4.49
The instructor Lawrence Frolov assigned grades fairly.	0	0	1	2	5	8	4.50	4.46	4.37	4.30
The instructional methods of Lawrence Frolov encouraged student learning.	0	0	0	3	5	8	4.63	4.35	4.30	4.29

Teaching Effectiveness

Weight of responses: 1=P (Poor), 2=F (Fair), 3=A (Average), 4=G (Good), 5=E (Excellent), Resp=Number of Student Responses

Weighted Means: Section, Course, Level, Department

	P	F	A	G	E	Resp	Section	Course	Level	Dept
I rate the teaching effectiveness of the instructor Lawrence Frolov as:	0	0	1	2	5	8	4.50	4.34	4.35	4.30

University-wide Course Questions

Weight of responses: 1=SD (Strongly Disagree), 2=D (Disagree), 3=N (Neutral), 4=A (Agree), 5=SA (Strongly Agree),
Resp=Number of Student Responses

Weighted Means: Section, Course, Level, Department

	SD	D	N	A	SA	Resp	Section	Course	Level	Dept
I learned a great deal in this course.	0	0	0	3	5	8	4.63	4.34	4.26	4.21
I had a strong prior interest in the subject matter and wanted to take this course.	0	2	2	3	1	8	3.38	3.66	3.63	3.36

Course Quality

Weight of responses: 1=P (Poor), 2=F (Fair), 3=A (Average), 4=G (Good), 5=E (Excellent), Resp=Number of Student Responses

Weighted Means: Section, Course, Level, Department

	P	F	A	G	E	Resp	Section	Course	Level	Dept
I rate the overall quality of the course as:	0	0	1	4	3	8	4.25	4.23	4.16	4.01

What do you like best about this course?

These comments are intended for all instructors.

Comments
I like that there are a lot of concepts we have learned re-explained in a new way, allowing for a broader comprehension of the material and its uses in the real world.
the real life applications
The speed was good. I liked when there was visual representation for these concepts.
The fact that I was genuinely taught how equations work and their worth in the course, instead of just having theorems and equations thrown in my face and failing exams because the way they work or how they can be manipulated weren't explained to anyone in class.

If you were teaching this course, what would you do differently?

These comments are intended for all instructors.

Comments
I would most likely put more example problems for students to do into the course materials (ex: MyLab), in order to facilitate their understanding of the concepts learned because the course is taught in an accelerated manner, so learning a lot of material becomes somewhat vague and unclear without proper examples.
There's some parts of the course I feel could be done without, mainly because they tread the fine line of being important but not the main picture, I think that student would benefit from being able to practice more of the main subject material, rather than waiting time on a trivial subject. In a normal semester these topics might have more time to go into depth, but in a summer course I feel that a topic isn't really useful if its brought up once with one example and then never talked about again.
Because it was summer I would probably have some more slides prepared beforehand to reduce the amount of time spent writing or drawing some stuff I feel that would accommodate the instructor's pace better.
Not much, summer session is always shorter then it should be, yet I've learned more about differential equations in these 8 weeks then me or any of my friends did in 16 weeks in the spring with my old professor.

In what ways, if any, has this course or the instructor Lawrence Frolov encouraged your intellectual growth and progress?

These comments are unique to the instructor Lawrence Frolov.

Comments
By describing the concepts in the class in an eloquent and understandable way, and responding to students' questions effectively.
Lawrence helped me a great deal through this class, I had some family matter to attend to and it was hard to manage class and that at the same time. we was able to accommodate for me, while also still allowing me to teach myself the course material when I was ready. Because of this I was able to take my time to understand the material and felt confident to go back to the class once matters settled down.
Was always trying to give the intuition behind the concepts before the problems
One of if not the best professor I've had at Rutgers. Doesn't just show us complicated theorems (fully expecting us to just figure them out on our own) and then does a couple practice problems just ripped from the textbook like other calculus professors I've had. He actually explained how things worked in a way that was digestible and showed us the actual worth of the material we are learning.

Other comments or suggestions:

These comments are intended for all instructors.

Comments
None.
while I do admit not having graded homework is a good thing in most students eyes (including mine) I feel as though the amount of practice from the textbook wasn't enough for some topics, especially when practicing solving linear first and second ODE's, I frequently found myself googling "first order homogenous DiffEQ practice problems" and practicing from a random website. I feel if supplemental worksheets, or maybe even old practice exams like they had for multivariable calc would be very helpful
Would be perfect for fall/spring.