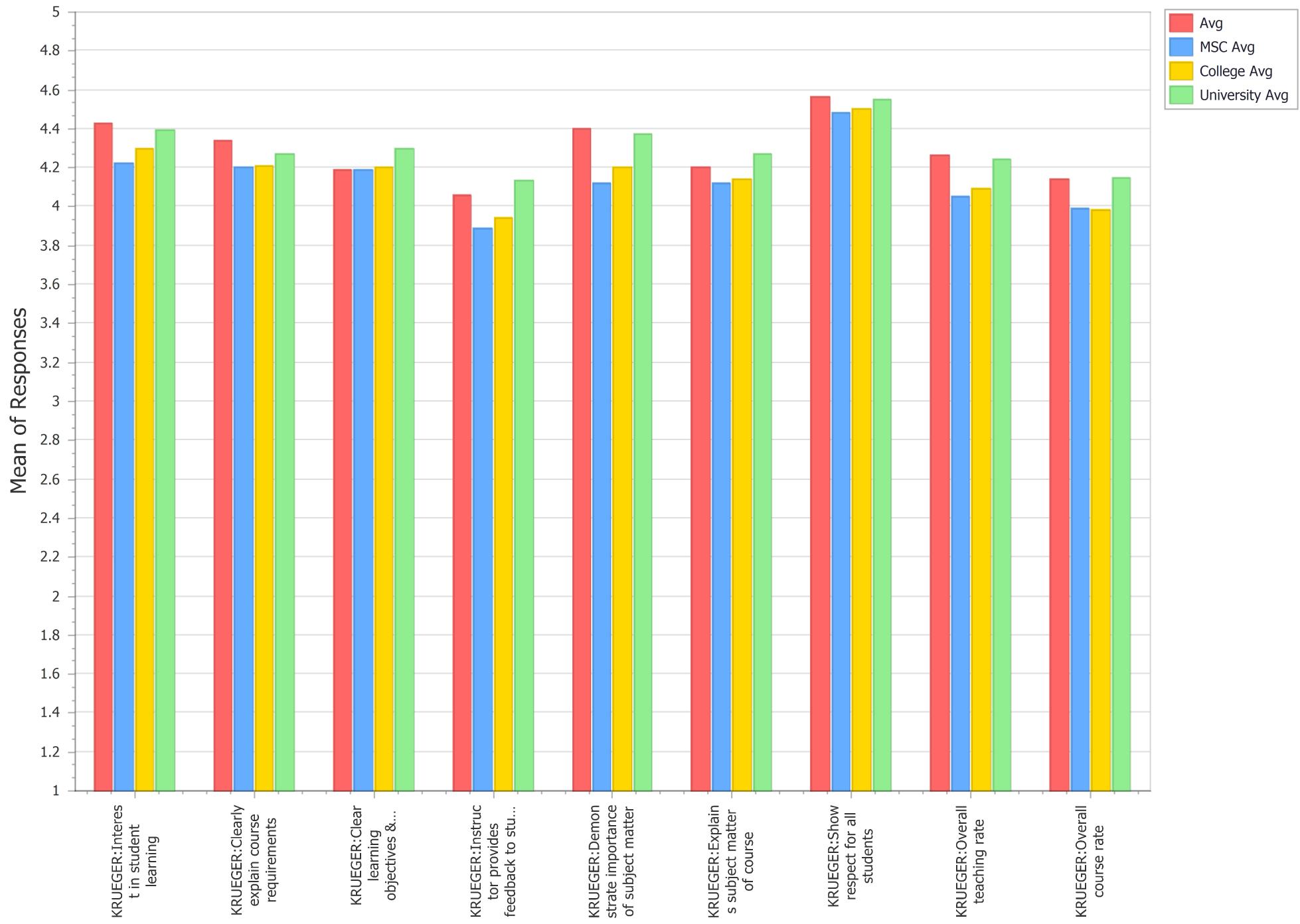
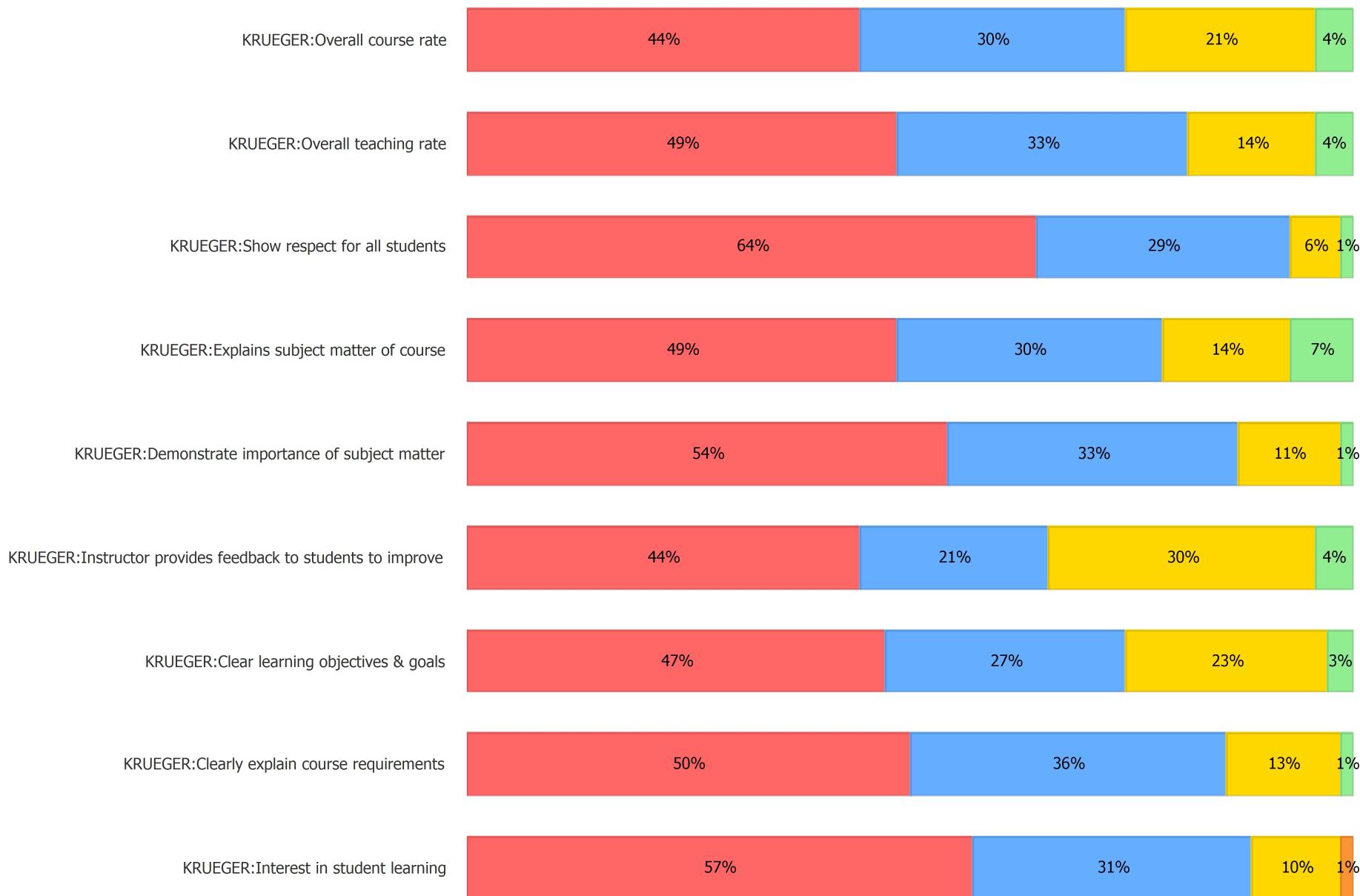


	Question Text	N	RR	Avg	SD	MSCFall 25	CollegeFall 25	UnivFall 25
1	On average, how many hours per week have you spent on this class, including attending classes, doing readings, reviewing notes, writing papers and any other course related work?	70	95%	9.33	2.87	10.32	9.32	8.25
2	Does the faculty member display an interest in students' learning?	70	95%	4.43	0.79	4.31	4.37	4.54
3	Does the faculty member provide a clear explanation of the course requirements?	70	95%	4.34	0.76	4.30	4.28	4.43
4	Does the faculty member provide a clear explanation of the learning objectives or goals of the course?	70	95%	4.19	0.89	4.28	4.28	4.47
5	Does the faculty member provide feedback that helped students improve their performance?	70	95%	4.06	0.96	4.02	4.13	4.32
6	Does the faculty member demonstrate the importance and significance of the subject matter?	70	95%	4.40	0.75	4.34	4.31	4.52
7	Does the faculty member explain the subject matter of the course (e.g. concepts, skills, techniques, etc.)?	70	95%	4.20	0.94	4.21	4.21	4.43
8	Does the faculty member show respect for all students?	70	95%	4.56	0.67	4.72	4.69	4.71
9	Overall how would you rate this faculty's teaching?	70	95%	4.26	0.86	4.15	4.18	4.40
10	How would you rate the overall quality of the course?	70	95%	4.14	0.91	4.10	4.05	4.30

Question Averages



ROBERT KRUEGER Teaching CALCULUS IN 3-D 21259 Undergraduate Lect section: 3 2025
Fall



Text Responses

Comments

The homework is a good extension of the knowledge from this class. But it would be more beneficial to the learning experience if it can be more similar to the midterm problems.

the professor teaches information that does not correspond with the assignments and exams given

The start was a bit rough with the first midterm and no recitation solutions, but it was great afterwards

Think the applications of the content is integrated very nicely. Notes or at least a schedule of topics covered each class would be helpful when I have to miss a class.

One of the most well taught math classes I have taken so far. Very well structured, and professor is very responsive to feedback and quick to adjust course. The homeworks are quite heavy and hard, but exams are more straightforward, which I believe is the best possible combination for helping one grow and learn, and at the same time demonstrate their knowledge. Recommendations: Please share lecture notes. Sometimes, we miss writing something, or one has to miss class due to sickness, etc. It becomes very helpful in that case to have access to lecture notes. Other than that, awesome professor, and love his teaching style. Thank you Prof. Krueger.

You are a great teacher for your first time teaching! Genuinely, it's a well-taught math course, and I really liked that you provide solutions for homework and recitation sheets, not many teachers do that, but it's so helpful in learning the material. Only critique I would have is to post the lecture notes as well (not sure how that would work though because the lecture is taught on a blackboard). Course content is structured great, but perhaps consider covering limits first, then derivatives, and then integrals? (It felt kind of weird learning limits in the middle of the semester, as it's usually the first thing taught in a calc course.)

Overall, a very well-taught class that covers a lot of material. Homework problems were quite challenging, but were very thoughtfully selected and included many fascinating applications in physics, probability and statistics, geometry, and even cartography. Recitation problems were also well-chosen and demonstrated important nuances to the lecture material, such as situations in which a theorem doesn't hold. Dr. Krueger takes an intuitive approach to explaining the material (e.g., introducing non-standard notations to more naturally express ideas), as opposed to simply presenting formulas out of thin air. Some examples: Talking about the projection and rotation of a vector instead of solely the dot and cross products; explaining scalar fields and their partial derivatives with topographic maps; divergence as infinitesimal flux that is calculated as the sum of partial derivatives. I thought the 3D geometry part at the beginning of the course was interesting and useful, though I struggled with it and I should have gone to office hours earlier in the course (Dr. Krueger is very helpful and approachable during office hours). My only critique is that there were a couple times when the physics tie-ins/explanations during lecture could have been condensed to a more focused point. Thanks for a great semester!

I just wish he would post the lecture notes, it would be so helpful in this course. Learning is hard but at least the exams are not uber challenging.

Great professor overall. I enjoy his teaching style and he makes the exams fair.

Very great professor, only wish he would post notes/lectures in somewhat and outline the topics/type of questions more explicitly for what to expect on the exam. Also think some of the hws get too complex, would help if offered more hints/direction on them.

Hello Prof Kreuger, I sincerely enjoyed your class. However I felt that the homeworks were quite hard and sometimes not directly related to the content on midterms. Despite this I enjoyed proving things about calculus on the homework's and doing slightly higher level problems on the homeworks. I think to facilitate these types of harder homeworks, it would be nice to touch on how to use calculus concepts in a proof based setting to prepare us for some of the proofs on your homeworks. Otherwise your lectures were excellent and well taught. Thanks for a good semester.

Even though I've taken multivariable calculus in high school, Dr. Krueger not only still made the class interesting but taught me new ways to think about the same concepts.

The homework is a too much for the scope of class

Lectures are all very well motivated and explained, homeworks are sometimes too difficult but they encourage people to think more deeply about the implications of the big results we learn / common applications which broadens perspective. Tests are fairly easy which is appreciated.

A really nice course for entering multivariable calc

Maybe more hints on the homework to know how to tackle some of the very hard problems. The writeup for the rotational vector was nice and helpful, maybe more writeups for the harder conceptual topics in calc 3.

I could very noticeably see how Professor Krueger adapted and changed his lecturing/teaching style to match the needs of our class and the capabilities of our class as this semester progressed. For example, a class with less than half of kids that have took multi variable calc / Lin alg / vector calc should be taught differently than a class full of kids with heavy experience in those studies. Many teachers I've had in high school just 'taught to the test', but I appreciate how he was able to show the intuitive ways of thinking about the many concepts taught in this course, in addition to showcasing the diverse applications within physics / engineering / machine learning. Would definitely recommend Professor Krueger!

As a student that is not planning to major in mathematics/physics/engineering, I found Professor's Krueger's application-based teaching style very intuitive and easy to grasp. He is very adept at sketching visualizations of the concepts which is important in this course. Sometimes he shows students digital visualizations on Desmos and other software which can be really helpful. Although the first part of the course (projections, rotations) seemed unintuitive at first glance, he really makes the connection between those topics and the more commonly known topics (vectors, dot product, cross product) really concrete. Excellent professor overall! Highly recommend.

There's a lot of content covered in the lecture but not enough time to fully cover everything. The homework and recitation worksheets have good applications but they are too difficult and don't give much practice in building skills.

I enjoyed Krueger's teaching style however at times I wish he would slow down and explain the material a bit more. Also since it's so difficult to catchup if you miss a lecture I wish he posted notes on canvas that could help with this process. Overall I enjoyed this class a lot and would recommend it to others.

awesome energy

He is probably the best math professor I have ever had. He truly goes above and beyond to help his students even if this is after hours. He is also a very nice guy and incredibly smart. I really hope he continues here at CMU.

The homework is unreasonably hard and only makes the course material confusing. The lecture is also confusing. So I recommend self studying using openstax.