

Tyler Perini's Student Feedback

University: Rice University

Course: CAAM 378 Introduction to Operations Research and Optimization

Semester: Fall 2021

Role: Instructor (with TA & 3 graders)

Enrollment: 38 students (in-person with Zoom accommodations)

Direct feedback from "Grade the syllabus" assignment:

*Overall, this course is incredibly well-designed and organized. It's **one of the most interactive and engaging** courses I've ever taken at Rice.*

*I appreciated **the social impact lens** incorporated into the class as that's something I value personally but have been limited in exposure to in my past MATH/STAT/CAAM classes.*

*While I think this has been a challenging class, it has also been a relatively low-stress class which I really appreciate. The 6 late days and open note exams have **significantly reduced the stress** of this class. Additionally, I look forward to the classes as I **really enjoy collaborating** on tricky problems.*

*This course is **incredibly engaging** and I feel like I actually learned something new and applicable. Each of the topics was well explained and I like the **gradual progression of the difficulty** of the concepts such that it's not too overwhelming and everything builds on top of each other.*

*The **miniprojects** presented an interesting way to implement what we had learned and offered enough space for creativity, which I personally enjoyed... I really enjoyed lectures and how you **encouraged collaboration** in class.*

Critical feedback: *The assignments and exams are more like a challenge to us instead of a review from the class. The difficulty of the assignments and exams are significantly higher than the course material.*

Solution strategy: Record some lecture material as a mini-lecture to be posted online (~20 minutes), which allows more of class time to be devoted to solving the more difficult homework problems.

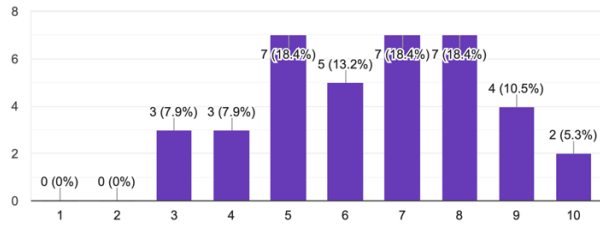
Pre- and Post-semester surveys (38 and 12 respondents, respectively). Post surveys are anonymous.

Mathematical Communication: Writing

Pre:

How confident do you feel in clearly articulating your mathematical ideas in writing?

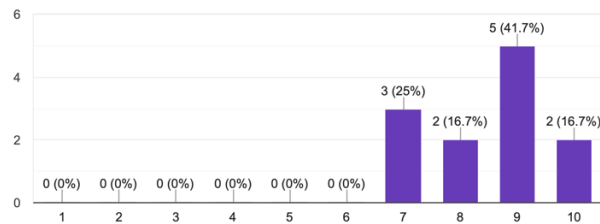
38 responses



Post:

How confident do you feel in clearly articulating your mathematical ideas in writing?

12 responses



1 = Very Unconfident

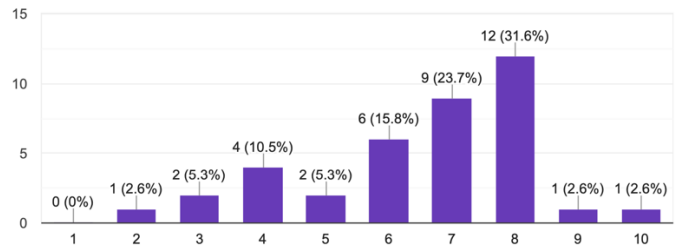
10 = Super confident

Mathematical Communication: Visualization

Pre:

How confident do you feel in clearly visualizing your mathematical ideas?

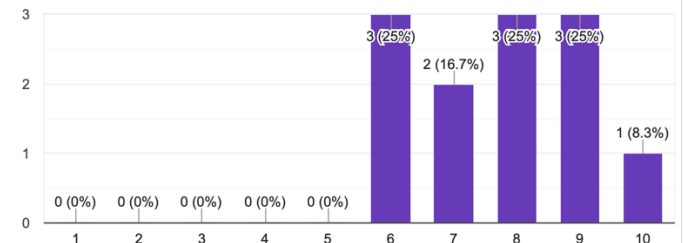
38 responses



Post:

How confident do you feel in clearly visualizing your mathematical ideas?

12 responses



1 = Very Unconfident

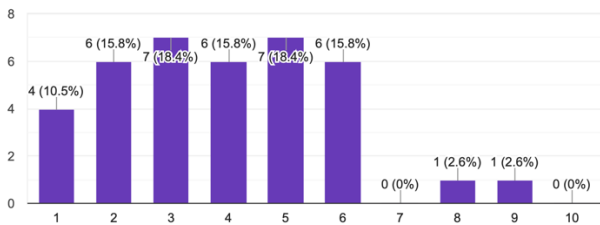
10 = Super confident

What is Mathematical Research?

Pre:

Do you have a clear idea of what applied mathematical research looks like?

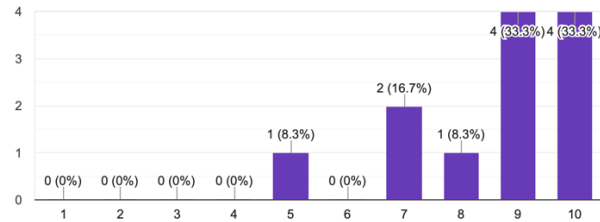
38 responses



Post:

Do you have a clear idea of what applied mathematical research (including operations research) looks like?

12 responses

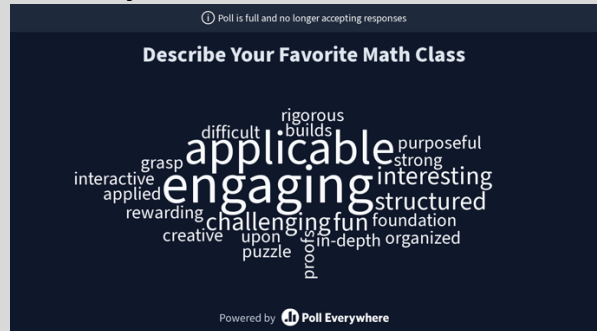


1 = Very Unconfident

10 = Super confident

Word Cloud

Pre: Describe your favorite math class



Post: How would you describe 378?



University: Georgia Institute of Technology

Course: ISYE 3133 engineering Optimization

Semester: Spring 2021

Role: Graduate Student Instructor (1 of 5)

Enrollment: 2 sections of 30 each (remote only)

Honors: Student Recognition of Excellence in Teaching: Spring 2021 CIOS Honor Roll

Visual Summary of Feedback (from combined sections, source: CIOS)

	Question Text	N	Above Average			Average				Below Average		
			100%	-	70%	69%	-	-	30%	29%	-	1%
22	Instructor Clarity (Perini)	41	-----	-----	4.6	-----						
23	Instructor: Communicated how to succeed (Perini)	41		-----	4.6	-----						
24	Instructor: Respect for students (Perini)	41	-----	-----	4.8	-----						
26	Instructor: Stimulates interest (Perini)	41		-----	4.5-							
27	Instructor: Availability (Perini)	41			4.7							
28	Instructor: Feedback helpfulness (Perini)	41	-----		4.6-							
30	Instructor: Overall effectiveness (Perini)	41	-----	-----	4.7	-----						