Individual Report Spring 2025 for MATH 5410 100 - Fourier Analysis and Partial Differential Equations (Todd Young)

Project Title: **Course Evaluation Spring 2025**

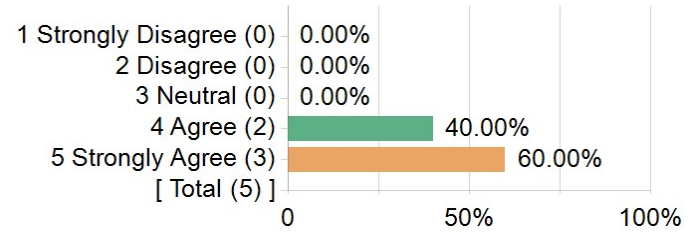
Course Audience: **9**
Responses Received: **5**
Response Ratio: **55.56%**

Prepared by: **Joseph Scowden**
Creation Date: **Wednesday, May 7, 2025**

Instructor Evaluation: Todd Young

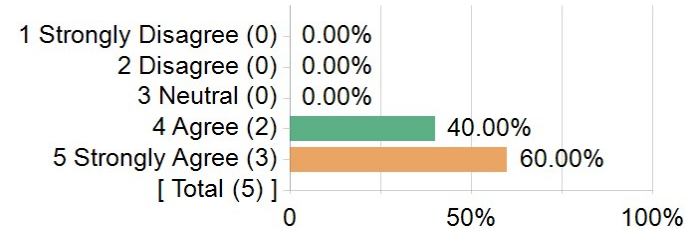
Competency Statistics	Value
Mean	4.77
Median	5.00
Mode	5
Standard Deviation	0.43
Standard Error (base on SD)	0.07
Population Standard Deviation	0.42
Standard Error (base on PSD)	0.07

1. Instructor created an environment that was conducive to learning.



Statistics	Value
Response Count	5
Mean	4.60
Median	5.00
Mode	5
Standard Deviation	0.55
Population Standard Deviation	0.49
Standard Error (base on SD)	0.24
Standard Error (base on PSD)	0.22

2. Instructor gave clear explanations.



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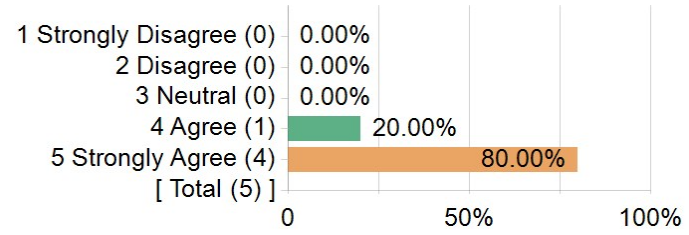
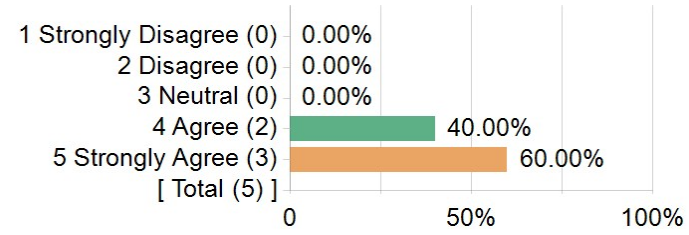
3. Instructor used helpful examples and illustrations.



Statistics	Value
Response Count	5
Mean	4.80
Median	5.00
Mode	5
Standard Deviation	0.45
Population Standard Deviation	0.40
Standard Error (base on SD)	0.20
Standard Error (base on PSD)	0.18

4. Instructor consistently followed grading criteria.



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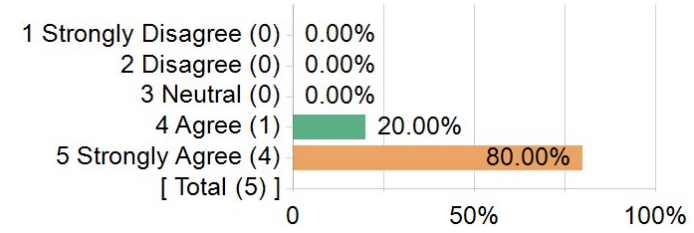
5. Instructor provided useful feedback.



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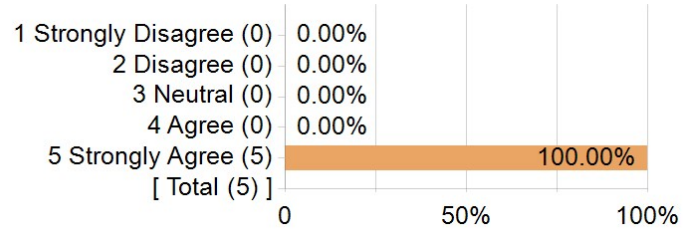
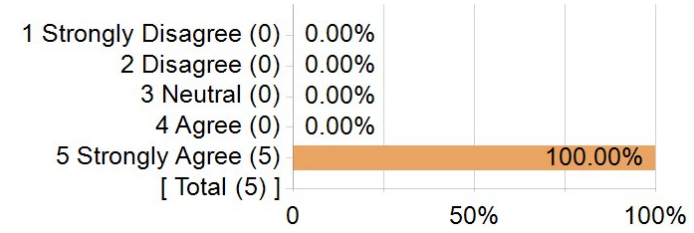
6. Instructor provided timely feedback.



Statistics	Value
Response Count	5
Mean	5.00
Median	5.00
Mode	5
Standard Deviation	0.00
Population Standard Deviation	0.00
Standard Error (base on SD)	0.00
Standard Error (base on PSD)	0.00

7. Instructor was available for assistance outside of class.

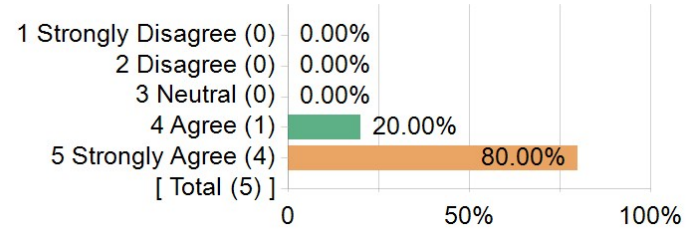


Statistics	Value
Response Count	5
Mean	5.00
Median	5.00
Mode	5
Standard Deviation	0.00
Population Standard Deviation	0.00
Standard Error (base on SD)	0.00
Standard Error (base on PSD)	0.00

Course Evaluation:

Competency Statistics	Value
Mean	4.44
Median	5.00
Mode	5
Standard Deviation	0.71
Standard Error (base on SD)	0.14
Population Standard Deviation	0.70
Standard Error (base on PSD)	0.14

1. Outside class activities (readings, assignments, homework, problem sets, etc.) helped me to understand the subject.



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Response Count	5
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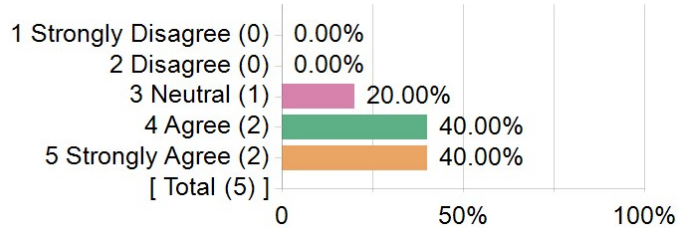
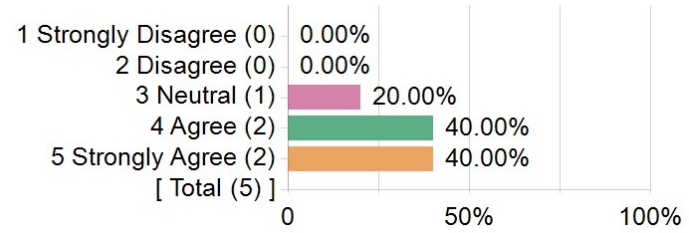
Median	5.00
Mode	5
Standard Deviation	0.45
Population Standard Deviation	0.40
Standard Error (base on SD)	0.20
Standard Error (base on PSD)	0.18

2. In-class activities (lecture, discussion, handouts, group-work, etc.) contributed to my understanding of the subject.



Statistics	Value
Response Count	5
Mean	4.20
Median	4.00
Mode	4, 5
Standard Deviation	0.84
Population Standard Deviation	0.75
Standard Error (base on SD)	0.37
Standard Error (base on PSD)	0.33

3. This course challenged me intellectually.



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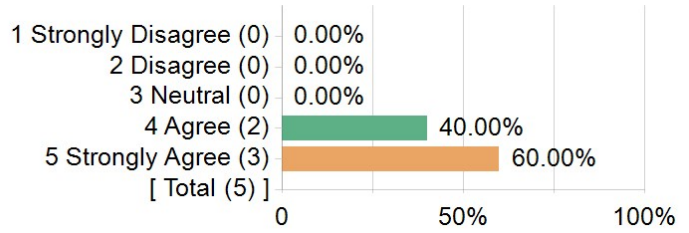
4. Course grading criteria were communicated clearly.



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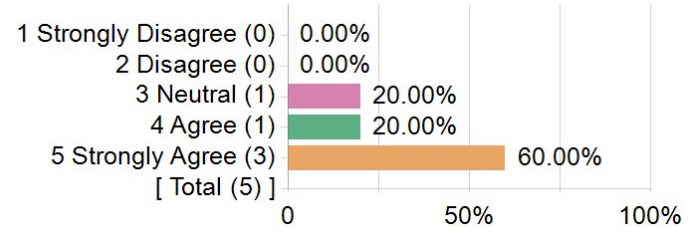
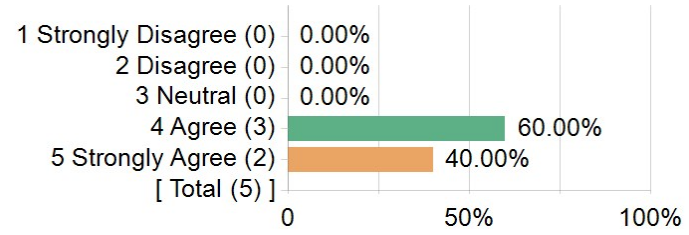
5. Course objectives were met.	
	
Statistics	Value
Response Count	5
Mean	4.40
Median	5.00
Mode	5
Standard Deviation	0.89
Population Standard Deviation	0.80
Standard Error (base on SD)	0.40
Standard Error (base on PSD)	0.36

Additional Questions

Competency Statistics	Value
Mean	4.44
Median	4.00
Mode	4, 5
Standard Deviation	0.58
Standard Error (base on SD)	0.12
Population Standard Deviation	0.57
Standard Error (base on PSD)	0.11

1. Instructor encouraged participation.	
	
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Median	4.00
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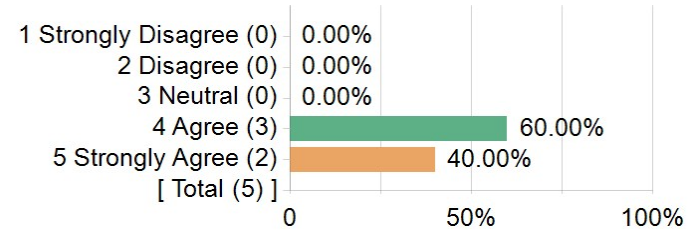
2. Instructor was respectful to students.	
	
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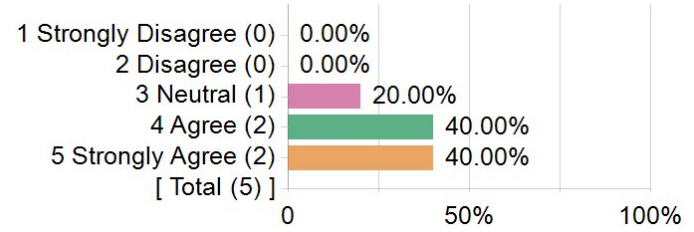
3. Examinations were a good test of my knowledge.



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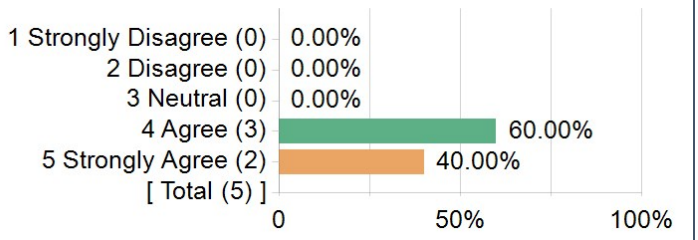
4. Overall, considering its content, design and structure, this course was excellent.



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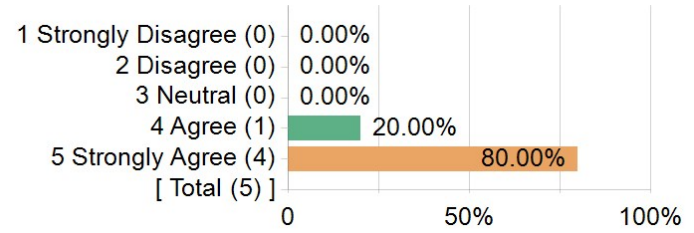
5. Instructor was an effective teacher.



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What do you consider to be the greatest STRENGTH of the INSTRUCTOR?

Comments
Explains so well.
Dr. Young never makes you get lost. He will help you if you are struggling with something and he is easy to find.
His rigor and assigning lots of homework means students will learn a lot. I also love how he teaches to the text. He gives students' tough love and expects much of them. They therefore often rise to the occasion. I like that he requires office hour visits as it strengthens his relationship with his students.
Regular feedback
The instructor always try to keep students working through weekly individual, group and graduate assignments. Again, going for office hours is compulsory, which makes students to always try to understand concepts better. Other lecturers we have met so far have not made office hours compulsory.

What do you consider to be the greatest WEAKNESS of the INSTRUCTOR? Suggestions for improvement?

Comments
None observed
Sometimes, he is tough and would not be lenient with deadlines.
He could show more empathy when addressing students' questions in class. However, I liked how he was open to adjusting examination dates due to students concerns. I think his grading was a little harsh but many of the problems are worth a lot of points so it balanced out.
NA

What do you consider to be the greatest STRENGTH of the COURSE (texts, content, etc.)?

Comments
Engaging from start to finish.
Homework assignments were helpful. I agree that they were a lot but that significantly made studying for the exams easier. In other classes with no homework assignments, studying for exams was extremely stressful which wasn't the case in this class.
Having the one sheet of notes for the exams was really nice because creating it was a form of studying it and having it relieved us from having to memorize the formulas and focus more on the applications. I also enjoyed how the course was not proof heavy but rather looked into the calculations and real life applications of the mathematics we were learning. I also appreciate how we were allowed to use any outside resources on out–of–class assignments as long as we cited them. This encourages the student to research the topics they are learning and broadens their understanding of the material while exposing them to other presentations and views of the material.
Content

What do you consider to be the greatest WEAKNESS of the COURSE? Suggestions for improvement?

Comments
So many stuff to cover
Although the assignments were helpful but the group work sometimes seemed unfair. There was 9 Matlab assignments and although I benefited from them but they were not helpful to learn the material. I didn't mind doing the Matlab assignment for my group but I understand why would someone be.
I wish we had the animations the textbook mentions. I know that many of these things could be shown in much more interesting media. However, instruction was only ever presented on the blackboard in chalk. I would've loved to see more digital presentations and animations on how these waves would look. I believe he should integrate some digital media into his teaching to more clearly express many of the concepts. Additionally, the pacing of the course is insanely fast. We are often testing on material weeks in the past and it makes lecture less valuable because what the student is working on and what we are discussing in class are two completely different things. I also really dislike that we taught new concepts every single class and he left no time for students to digest the material. This class is very difficult for students with no background in physics. A large portion of the text expects you to know many jargon words in the sciences that a pure math major just won't have any experience with.
Not that I know of.
The content is super voluminous