

Instructor: Christensen, Jens G.

Course: Hilbert and Banach Spaces

3 surveys / 4 enrolled in MATH 460 A (TR 1445)

Student:1

Reason(s): Major or minor requirement
Interest in the course materialAdditional Reason(s):Effort: I put in a significant amount into the class. I finished the homework on time and talked to professor Christensen if I have any questions.Understanding & Appreciation: Hilbert and Banach space cover a lot of important mathematical concepts that we applied in other branches of mathematics.Intellectual Growth: Solving the problem in this class requires creativity and diligence. The process of struggling to find an answer is a meaningful experience.Quality: Professor Christensen did a great job at presenting the materials clearly and answering any questions we have. He also made many extension from the class materials, which I enjoyed a lot.

Effectiveness Conveying Course Material	Teacher-Student Interaction and Rapport	Course Standards and Challenge	Grading and Evaluation	Student Self-Rated Learning	Other Aspects of Teaching
1: SA	3: SA	8: SA	5: SA	2: SA	13: SA
7: SA	10: SA	14: SA	17: SA	4: SA	21: SA
9: SA	15: SA	20: SA	19: SA	6: SA	22: SA
12: SA				11: SA	
18: SA				16: SA	

Student:2

Reason(s): Major or minor requirement

Additional Reason(s):Effort: I put in about an hour per day of either homework, studying, or reviewing notes for this class.Understanding & Appreciation: This course definitely made me more interested in functional analysis and especially its applications.Intellectual Growth: This course allowed me to learn a bit about different fields outside of math because of how Hilbert spaces are used in areas like quantum computing and frequency analysisQuality: I think Jens is a great professor. I've had him many times and although the coursework can be very intimidating he does a great job being approachable and answering questions. The only constructive criticism I could give is that sometimes lectures can get a bit confusing because of some digressions. I think it would be helpful if during proofs Jens would repeat what the goal of the proof is and the bigger ideas while doing it. I think it would be easier to follow this way.

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1: SA	3: SA	8: SA	5: SA	2: SA	13: SA
7: A	10: SA	14: SA	17: SA	4: SA	21: A
9: A	15: SA	20: A	19: A	6: A	22: N
12: A				11: SA	
18: SA				16: A	

Student:3

Reason(s): Elective within major or minor

Additional Reason(s): Very interested in subject matter.Effort: Office hours when necessary, homework, and supplemental reading within the optional textbook, as well as independent research.Understanding & Appreciation: Helped me learn about functional analysis and methods for proving propositions relating to complete vector spaces as well as complete inner product space.Intellectual Growth: Helped me to learn material on my own and deal with difficult/borderline-graduate-level mathematics. It helped me appreciate the level of detail and nuance involved in these matters.Quality: The teaching of the course is very good. I had professor Christensen for linear algebra as well as for real analysis, and so I was in a perfect position to take this course with him, since it is a sort of fusion/generalization between the two. Very accessible, kind, and understanding; definitely wants his students to understand the material and achieve. Good handwriting and clearly structured lectures; very easy to read the notes written on the board. Would take a course with him again, and would recommend this course to others.

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1: A	3: A	8: SA	5: A	2: SA	13: N
7: A	10: SA	14: A	17: A	4: SA	21: N
9: A	15: SA	20: A	19: A	6: A	22: A
12: A				11: A	
18: A				16: A	

Likert Key: SA=Strongly agree, A=Agree, N=Neither agree nor disagree, D=Disagree, SD=Strongly disagree, NA=Not applicable