

Instructor: Christensen, Jens G.

Course: Real Analysis I

18 surveys / 18 enrolled in MATH 377 A (MWF 1320)

Student:1

Reason(s): Major or minor requirement  
Interest in the course materialAdditional Reason(s):Effort: It took a little to get into the swing of it, as the course required a different kind of thinking compared to prior proof classes and how little we were allowed to assume when we began, but as the course went on it started to feel natural and any effort put it was not notable because of natural curiosity and interestUnderstanding & Appreciation: I always appreciate when a problem requires a new kind of approach, and the constant usage of inequalities in this course certainly fit the billIntellectual Growth: It gave me a better appreciation for the different branches of math that exist, as so far at Colgate I've been mostly in the Algebraic side of things just by the courses I've taken. I'm glad I've gotten a taste of something different.Quality: I enjoyed the little bits when the professor would hint at what happens in higher level Real Analysis. Not enough to confused other students, but more than enough to keep me interested.

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

Student:2

Reason(s): Major or minor requirement

Additional Reason(s):Effort: this course required alot of effort. probably spent about 3-5 hours a week on the weekly hw assignments, and proabbly another 3-5 hours studying during weeks when we had testsUnderstanding & Appreciation: helped explain the intuition behind a lot of math concepts. was cool to really dig downIntellectual Growth: logical and critical thinking improved a ton. patience when solving a problem also improved alotQuality: prof christensen is a very good and laid back prof and i enjoyed having him this semester. while i struggled a bit in this course, i always felt that he really wnatned me to succeed. i visited countless office hours in which prof christensen took the time to help me out

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

Student:3

Reason(s): Major or minor requirement

Additional Reason(s):Effort: I put a great deal of effort into this class working several hours a week on homework, going over notes, and going to office hours when I had any questions.Understanding & Appreciation: This course was very helpful in letting us better understand some of the things we learned about in previous calculus classes especially important theorems.Intellectual Growth: This course will be very helpful in the future as it is necessary for my major and it has also taught me to stay on top of the material and not let it pile up.Quality: One of the strengths in the teaching of this course is that the professor had office hours everyday and was very helpful during these sessions.

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

**Student:4**

Reason(s): Major or minor requirement

Additional Reason(s):Effort: I worked hard in this class because I am not very confident in proof-based math classes and I heard this subject and professor were quite difficult.Understanding & Appreciation: I definitely appreciated Calculus much more after having to prove a lot of it and actually understanding why it works.Intellectual Growth: I became a little more comfortable with proofs even though I am not confident in it yet.Quality: I think the class was straightforward but got confusing at times when a proof didn't go as expected, but the homework was difficult but really helped prepare for exams. I wish we had more practice questions because I didn't like revolving the class around a couple of hw questions and proofs from class.

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

**Student:5**

Reason(s): Major or minor requirement

Additional Reason(s):Effort: I have put a great deal of effort into attending class, doing the work and going to office hours.Understanding & Appreciation: I have learned problem solving skills.Intellectual Growth: I was very challenged and forced to adapt.Quality: The teacher is very effective in class and office hours. The tests and home works are very fair but challenging. The grading scheme is pretty harsh.

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

**Student:6**

Reason(s): Major or minor requirement

Interest in the course material

Additional Reason(s):Effort: Little at first but with intervention my effort increased significantly.Understanding & Appreciation: Prof. Christensen made me want to learn more about mean value operators so I think that speaks for itself.Intellectual Growth: Made me want to understand the subject matter at a deeper level.Quality: Prof. Christensen is one of the nicest and most approachable teachers at Colgate no question. He noticed my lack luster performance during the beginning of the term and intervened and gave me some advice. Thanks to that I had been able to increase

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my performance in the course. Not only that but he is very understanding so when I do make a mistake I feel like I can fix it and move on. Quality Professor.

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

**Student:7**

Reason(s): Exploration of possible major or minor  
Interest in the course material

Additional Reason(s):

Effort: The only work I did for this class were the problems sets. I did these usually in a few hours the night before.

Understanding & Appreciation: This course helped me understand what real analysis is and the kind of questions it tries to answer.

Intellectual Growth: I became more precise in my reasoning.

Quality: Lectures are normally boring and drag on.

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

**Student:8**

Reason(s): Major or minor requirement

Additional Reason(s):

Effort:

Understanding & Appreciation:

Intellectual Growth:

Quality: It seemed like the professor only talked about the proves exactly the way they were described in the book. The class neither gave an insight nor helped me develop a tool set to write proves. I could just read the book at home.

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

**Student:9**

Reason(s): Major or minor requirement

Additional Reason(s):

Effort:

Understanding & Appreciation:

Intellectual Growth:

Quality:

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

**Student:10**

Reason(s): Major or minor requirement

Additional Reason(s):Effort: I put a lot of time into this course. Studying for the exams was a week long time commitment, and completing the HW questions also took a long time and usually included going to office hours.Understanding & Appreciation: Once the material started connecting to calculus and things we have seen before I think I really grew an appreciation for the subject matter.Intellectual Growth: Outside the class, it helped me to realize the connection between other math classes I have taken and understand complex ideas about the subject matterQuality: I thought the teaching was overall well done. The homework problems did take a long time but they forced me to really learn the material. I found the test questions to also be challenging yet fair given what we had learned. The grading, however, was a little tough where full points were taken off things that did not necessarily constitute a full point on a 10 point question. Overall, I found the teaching to be good and office hours to be extremely accessible and helpful.

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

**Student:11**

Reason(s): Major or minor requirement

Additional Reason(s):Effort: The homework took forever and even if you put the time into it you likely couldn't do well on it without asking the professor for helpUnderstanding & Appreciation: I learned a lot of analytical techniques used in pure mathematics, and how hard it is to prove something with limited assumptionsIntellectual Growth: I learned how to better argue and construct general proof techniques.Quality: I thought he was fair, but the class was really tough. This is to be expected in an upper level class, but the consensus was among the class was that everybody was generally lost.

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

**Student:12**

Reason(s): Major or minor requirement

Additional Reason(s):Effort: Homework was due every week and took about 4 hours. We had two mini tests and two main tests. Mini tests demanded about 5 hours of study while tests required around 10-15Understanding & Appreciation: I am more aware of the need for proofs in the study of applied maths. Although this was a difficult

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subject for me, I appreciate that this class is really the base of all calculus

Intellectual Growth: I learned how difficult a subject can be and how to persevere through it with the help of the professor and hours of work

Quality: Professor Christensen was very organized in his teaching and notes and was always available for help. His method of arranging office hours is very helpful and makes it more accessible.

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7: SA	10: SA	14: SA	17: SA	4: SA	21: NA
9: A	15: SA	20: SA	19: SA	6: A	22: SA
12: SA				11: SA	
18: SA				16: A	

**Student:13**

Reason(s): Major or minor requirement

Additional Reason(s):

Effort: I put a lot of effort into this course as the material is very difficult and not my preferred type of math.

Understanding & Appreciation: It made me think about how one would go about proving something, rather than just relying on things you already know from calculus.

Intellectual Growth: The more proofs you do, the more you are able to work through flaws in logic, which can apply to a variety of different subjects.

Quality: He was a good professor who was always willing to help students with homework and understanding concepts. I wasn't a big fan of the office hours setup, because sometimes you have last minute questions that you can't schedule a time slot for, although it was nice in that you had a definite time when he would just be focused on your questions.

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7: A	10: SA	14: A	17: A	4: A	21: NA
9: N	15: SA	20: SA	19: SA	6: SA	22: N
12: SA				11: SA	
18: SA				16: A	

**Student:14**

Reason(s): Major or minor requirement

Additional Reason(s):

Effort: A lot

Understanding & Appreciation: Not that much

Intellectual Growth: I feel this course is really difficult

Quality:

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

**Student:15**

Reason(s): Major or minor requirement

Additional Reason(s):

Effort: This class required weekly effort for homeworks. Each week I would start the homework and accomplish as much as possible before going to office hours and asking questions when I was stuck. With office hours I was usually able to finish the remaining

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questions. In class it is just pay attention and take notes, and occasionally answer a question. For tests some review was necessary but not too much since I had done the homeworks carefully.

Understanding & Appreciation: I did not know anything about real analysis before this class so it was foundational. I think I have gained a good understanding of what has been covered in class but understand that it is a very vast subject so there is still a lot that I do not know.

Intellectual Growth: I think this class helped my overall proof writing and critical thinking scores.

Quality: Professor Christensen obviously cares a lot about his students and enjoys the material he is teaching. In class he provided enough examples that I usually knew what to do on homeworks and tests. When I didn't he was very helpful in guiding me towards the right solution in office hours. Although at times I think the material was dry it was overall a good class.

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7: A	10: A	14: A	17: A	4: A	21: NA
9: A	15: N	20: A	19: SA	6: A	22: N
12: A				11: A	
18: A				16: A	

**Student:16**

Reason(s): Major or minor requirement

Additional Reason(s):

Effort: I put the most effort and time into this course that I have ever put into any course. I had no prior understanding of what the course really was and no exposure to the material or any prerequisites with proofs. I was basically thrown into it and although I had no background i was still expected to understand proofs and how to thing about this class at a very high level. Took months of work to finally understand how to go about this class in a productive manner. Also went to office hours 2-3 times a week.

Understanding & Appreciation: Really do not appreciate the material and I definitely do not understand most of it. After months I am improving and doing better, but it took dozens and dozens of one on one lessons in office hours to get anywhere.

Intellectual Growth: This class helped me think very independently and had me think about course material in a way that I never have had to in my life.

Quality: I think that professor Christensen is very nice and was very reachable, although he had no idea how to teach this class to students who have never taken a class like it before. With little to no theory background it was borderline impossible to start off with. After 2 months of struggling he finally realized that there was a better way to explain some of the material, and proceeded to tell me that he "should have started with that" after I failed countless assignments. Tough. Kinda sucked tbh. Real bad way for me to get my GPA screwed.

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

**Student:17**

Reason(s): Major or minor requirement

Interest in the course material

Additional Reason(s):Effort:Understanding & Appreciation:Intellectual Growth:Quality:

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7: A	10: A	14: A	17: N	4: SA	21: SA
9: A	15: A	20: SA	19: SA	6: SA	22: SA
12: A				11: A	
18: SA				16: A	

Student:18

Reason(s): Major or minor requirement

Additional Reason(s):Effort: I put in a lot of efforts but highly fluctuated throughout the semesterUnderstanding & Appreciation: Its a pretty cool topic, but the lectures were pretty dry at timesIntellectual Growth: The complexity and just their genius behind Calculus was put forth which I though was pretty coolQuality: I think Professor Christensen did a good job and put in a lot of effort, though sometimes his lectures were a bit dry

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7: A	10: A	14: A	17: A	4: A	21: N
9: A	15: A	20: A	19: A	6: N	22: SA
12: A				11: A	
18: A				16: A	