

Instructor: Christensen, Jens G.

Course: Real Analysis I

14 surveys / 18 enrolled in MATH 377 B (MWF 1220)

Student:1

Reason(s): Major or minor requirement

Additional Reason(s):Effort: I spent many hours everyday to do homework for this course and study course material. I also studied for the exams and mini-tests 2 weeks beforehand. I've never put in so much effort in a class before.Understanding & Appreciation: This was my introduction to proofs in a math course in college and it was the toughest class i've ever taken. I have a good understanding of mathematical proofs and calculus from this class and it was a sharp learning curve since I didn't know much going in. I appreciate calculus a lot more.Intellectual Growth: This class taught me how to think about math in a different way than i am used to, the way that is required to do proofsQuality: Professor Christensen is a very intelligent professor who clearly is an expert in this course subject. He is very obviously smart and understands math very deeply. His strength is his grace with which he answers questions in class and in office hours and his ability to teach tough concepts well.

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

Student:2

Reason(s): Major or minor requirement

Additional Reason(s):Effort: I had to work a lot after class on the problem sets because they are usually very difficult. The lectures are not very easy to follow so I also have to do extra work reviewing lecture notes.Understanding & Appreciation: This course enabled me to think about basic mathematical concepts and calculus from a very different perspective, and thus helped me gain a deeper understanding of the knowledge.Intellectual Growth: This course challenged me a lot, so it strengthened my ability to deal with stress.Quality: Professor Christensen is very caring and accessible during his office hours. Yet as the course material is fairly challenging, sometimes it is not easy to follow his lectures all the way.

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

Student:3

Reason(s): Major or minor requirement

Additional Reason(s):Effort: This course is very challenging and I spend a lot of time on the weekly problem setsUnderstanding & Appreciation:Intellectual Growth: This course helping my analytical skillsQuality: I believe that the professor teaches the class very well, and is very helpful in office hours.

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

**Student:4**

Reason(s): Major or minor requirement

Additional Reason(s):Effort:Understanding & Appreciation:Intellectual Growth: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: SA	3: A	8: SA	5: A	2: A	13: SA
7: SA	10: SA	14: SA	17: SA	4: A	21: SA
9: SA	15: SA	20: SA	19: SA	6: SA	22: D
12: SA				11: SA	
18: SA				16: SA	

**Student:5**

Reason(s): Major or minor requirement

Interest in the course material

Additional Reason(s):Effort: Out of all my courses this was the course I put the most effort into because it was very challenging.Understanding & Appreciation: This course was extremely eye-opening to how mathematics really works. We built all the way up to calculus from first principles. My appreciation for mathematics has grown immensely from this course.Intellectual Growth: In this course we had to consistently use critical thinking and problem solving skills to navigate our way through proofs.Quality: The quality of teaching in this course was beyond excellent. The professor clearly had both a strong understanding of course material and a desire for the students to learn.

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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:6**

Reason(s): Major or minor requirement

Additional Reason(s):Effort: I put a good amount of time into this class. I prepared for the exams several days in advance, and spent a fairly amount of time on each of the problem sets. The effort I put into this class felt appropriate for the content of the courseUnderstanding & Appreciation: I feel like I have a much greater understanding of the course material as a result of this class. I think that I now have a decent basis in real analysis moving forward, and I feel more confident in my proof skillsIntellectual Growth: This class took work and creativity to successfully solve each of the problems. Also, it helped me build connections between reals and other math classes I have already taken. I think I have built better skills in my proof writing and logical thinking

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Quality: I think this class was very well taught. Professor Christenson obviously knows a lot about the course material and respects the students as we struggle through it. He explained everything clearly and logically structured the class so that concepts built throughout the semester. I think the homework sets were interesting challenges that allowed us to test our knowledge, while the exams were fair. I got a lot out of the lectures and am left with very clear, ordered notes from the class I can look back on later. I really appreciated the organization of the class, which I think helped me (have a better chance) of understanding Real Analysis more thoroughly.

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

Student:7

Reason(s): Major or minor requirement

Additional Reason(s):Effort: I studied 5 hours a week for this courseUnderstanding & Appreciation: I gained an understanding of proof-based calculus.Intellectual Growth: NA

Quality: The professor made it clear several times that the grade we receive is not based on our learning but our performance in comparison to the others in the class. I felt like the attention he gave was cursory and didn't prioritize my learning. There were several cases that my graded paper included just a confrontational comment without outlining a logical mistake in the solution. I didn't feel "taught" or "mentored" in this class. I think the whole experience was entering a competition to be judged by a juror. This was a disappointment with Colgate education for me.

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

Student:8

Reason(s): Major or minor requirement

Additional Reason(s):Effort: This course has challenged me maybe more than any other course that I have taken here at Colgate. Each week assignments and preparing for exams have taken a significant amount of time to fully understand the grasp of subject matter.Understanding & Appreciation: This course challenged me to understand that many of the aspects of what I have used in previous courses were all strictly proved, and we are learning many of those proofs in this class.Intellectual Growth: This course has challenged me to think more critically when focusing on other assignments.Quality: His classes are lecture based, as I am focused on writing as much as I possibly can that he writes or says in my notes. His office hours are helpful, as he can explain problems that I have clearly and thoroughly.

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

Student:9

Reason(s): Major or minor requirement

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Additional Reason(s):Effort: Countless hours doing homework assignments and teaching myself because I didn't learn in class.Understanding & Appreciation: It showed the importance of everything we've learned in math up to this point.Intellectual Growth: I learned to accept failures and teach myself difficult topics.Quality: Classes were for copying down notes rather than actually learning. He wrote proofs without explaining the logic or intuition behind the steps, which is what we need to know to be able to do them on our own. The amount of time spent on homework at the beginning of the semester actually hurt my grade, but I appreciated that he began cutting down the amount of problems we had to turn in later. The grading on homeworks is unfair, and he would give us negative grades if he could (no credit for actually doing the work).

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

**Student:10**

Reason(s): Major or minor requirement

Additional Reason(s):Effort: Stayed on top of the homework, rarely showed up to office hours, studied extensively for tests.Understanding & Appreciation: This class has given me a much better understanding of why things are the way they are in calculus.Intellectual Growth: This class has forced me to take a bottom up approach to mathematics, since we assume very little in the class and prove everything.Quality: The professor has very high standards and the homework is very challenging—which makes the tests rather easy. I appreciated what he did during the second half of the course with regards to homework, because the problem sets were rather tedious, but now I usually write up the required formal proofs and work through the key points of the rest to prepare for the exams.

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

**Student:11**

Reason(s): Major or minor requirement

Additional Reason(s):Effort: Daily reviews, rewriting my notes and homework assignments and reviewing homework answers during office hours.Understanding & Appreciation: As an introductory course in Real Analysis, it was clear and educational.Intellectual Growth: I reviewed my Latex skills for weekly homework.Quality: I would appreciate more topological perspective as well consideration of analysis above the two dimensions we learned.

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

**Student:12**

Reason(s): Major or minor requirement

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Additional Reason(s):

Effort: I put a lot of effort into this course as it was my most challenging class. I went to office hours atleast once every week and completed all of the homework and put in many hours of studying.

Understanding & Appreciation: This course allowed me to learn in depth about what i had learned in calculus and think about reasoning behind such theory

Intellectual Growth: This course challenged me to think outside my comfort zone and grow as a learned when i faced topics i was uncomfortable with or had not seen before

Quality: The professor did a great job teaching this course and was very clear during his lectures and extremely willing to give help which was great. It would have been nice to have a more formal format of notes, as the only content for the course was his lectures. However, I think he provided everything he needed to and although it was challenging, really made sure people were understanding.

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

**Student:13**

Reason(s): Major or minor requirement  
Reputation of the instructor  
Interest in the course material

Additional Reason(s):

Effort: I did have to work a lot to really get used to the nature of the topics discussed and though I'm not 100% confident about being very familiar with them, I did get substantially more comfortable with them.

Understanding & Appreciation: I have never been a big fan of calculus but studying it from such a basic level did really give me a lot of insight and appreciation of the field.

Intellectual Growth: It really made me push outside my comfort zone and I really enjoyed it

Quality: Professor Christensen is still one of the best math teachers I've had. I really enjoyed being his student. However, Reals being his area of expertise, I feel like he is too comfortable with everything involved. For example, he would not consider a new concept hard to get because he is very acquainted with it. Hence he sometimes go through topics in lectures, practice examples rather quickly and not always explaining the logic behind it. I sometimes struggle to follow the proof due to such pace. But he is very helpful in office hours when I do come so I really appreciate that.

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

**Student:14**

Reason(s): Major or minor requirement

Additional Reason(s):

Effort: Very challenging course.

Understanding & Appreciation: Was very beneficial.

Intellectual Growth: Taught me how to handle losses.

Quality: Very clear teaching

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

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