

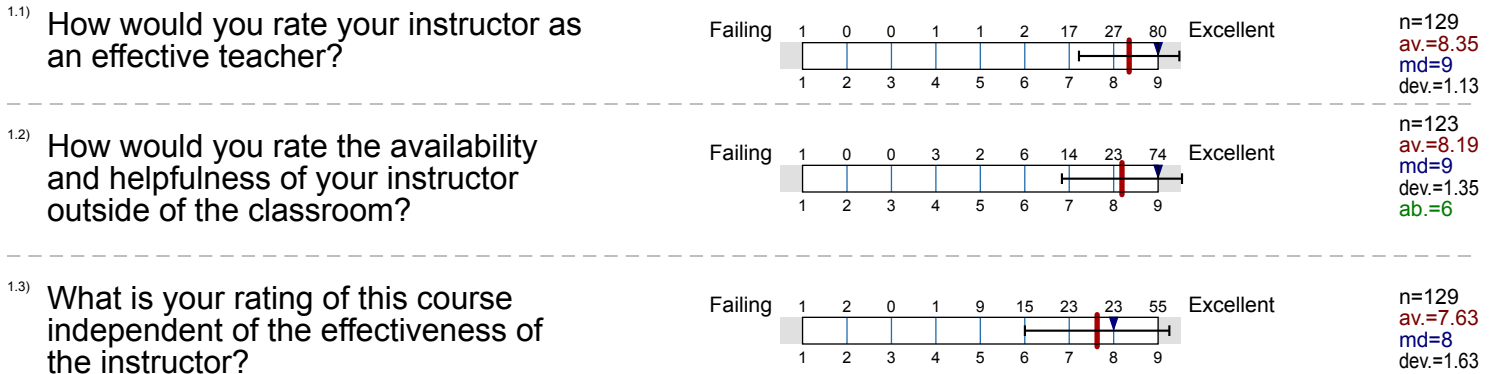


## M.J. ANDREWS Evaluation of Instruction Program Report

17W: MATH 31B LEC 4: INTEGRTN&INF SERIES  
No. of responses = 129  
Enrollment = 226  
Response Rate = 57.08%

### Survey Results

#### 1. UCLA Department of Mathematics:



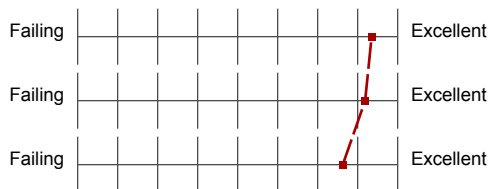
# Profile

Subunit: MATH  
 Name of the instructor: M.J. ANDREWS  
 Name of the course:  
 (Name of the survey) 17W: MATH 31B LEC 4: INTEGRTN&INF SERIES

Values used in the profile line: Mean

## 1. UCLA Department of Mathematics:

1.1) How would you rate your instructor as an effective teacher?



n=129 av.=8.35

1.2) How would you rate the availability and helpfulness of your instructor outside of the classroom?



n=123 av.=8.19

1.3) What is your rating of this course independent of the effectiveness of the instructor?



n=129 av.=7.63

## Comments Report

## 2. Comments:

- <sup>2.1)</sup> Please use the space provided for any comments you wish to make which are pertinent to the educational process. These may include all aspects of the course: teaching, examinations, grading, textbook, etc.
- ANDREWS IS AMAZING.
  - Amazing professor.
  - Andrews is a great professor that made 31B lectures fun to attend. He explains concepts using laymen's terms so that they are easier to grasp and his examples illustrate those concepts very effectively.
  - Andrews is a solid professor. He laid out the material quite clearly and provided many examples which were helpful. His tests can be kind of tricky though.
  - Andrews is an amazing professor and noticeably does his best to ensure his students can succeed in his class.
  - Andrews is an excellent professor. His explanations of material are very student friendly, and I found him to be very entertaining, and his class/lectures to be very enjoyable. I think his testing and grading were fair and overall this was a great class.
  - Andrews is by far the best professor I have had at UCLA. He is extremely interesting and caring and clearly presents all of the material and the exams are very fair. He is funny and a great professor, and I hope to take more classes with him in the future.
  - Andrews is one of the best teachers I've ever had in my life. Please reward this man, have him teach more classes, and make him a distinguished professor. Not only is his personality funny and easy going, but his teaching style is excellent, based off concept evaluation and close examples.
  - Andrews was overall an amazing professor. He made the subject less daunting and really engaged with the class. I enjoyed how he would interpret and teach the textbook as reading the textbook itself was dense and sometimes hard to understand. His office hours were helpful for the most part although I wish they were a bit more structured because at times office hours became very scattered in conversation and topic. His resources were helpful as well. Although the class was still difficult and I didn't do very well (due to other factors), I still came out more knowledgeable of the topic than before I came in. I am also more interested in the subject and find it more approachable after having Andrews. I am very glad I had him as a professor.
  - BEST PROFESSOR EVER!
  - Bless Andrews honestly I had Brizolis for fall and that was bad, but Andrews made maths, something I am not particularly excited about an extremely interesting class that I thoroughly enjoyed. He's fun, light hearted but teaches so brilliantly. 10/10 would take him again.
  - Cares a lot about the subject matter and students succeeding. Makes an effort to make sure everyone is clear on what is being taught. Holds sufficient amount of office hours. Good lecturer.
  - Engaging class, reasonable workload
  - Everything about this course was great. Michael's teaching actually made it really interesting, and the workload for this course was reasonable, especially compared to some of the other professors. The exams were fair, but I do wish you'd post versions of the practice exams w/ and w/o the solutions so that students can print out the non-solution version, take the practice exam, and then look at the solutions.

You were super approachable in OH, which is awesome.

- Everything is good
- Examples given in class are much less difficult than the questions in homework and exams. Some questions in homework are usually never taught in lecture. Questions in exam cover the same topics taught in lecture, but definitely way more challenging than it needs to be. I believe questions in exam should be of the same caliber as the questions given in lecture. 50 minutes to finish a multi-part 4 question exam is not enough time. It should be 1 hour or 1 hour and 15 minutes.
- Exams were challenging but the prof did a great job of explaining all concepts.
- Exams were well put together but came across questions that were many times difficult
- Excellent class so far! Midterms were very fair, homeworks manageable, and generally engaging and worthwhile.
- Funny teacher, makes it better knowing that if I'm going to fail a class, at least it was while having a good laugh
- Good sense of humor and crystal clear teaching. Best math professor I've had so far.
- Great Professor. I would want him to be my professor for the next math courses.
- Great dude, great professor. Manages to inject humour into a lecture that should be dry, and genuinely cares about his students. Makes study guides, holds multiple office hours and gives away his past midterms and finals for reference.
- Great professor, teaches thoroughly and is entertaining
- Great professor. Had him fall quarter and winter as well. Understandable workload. Very straightforward class. One of best professors. As long as you do the hw, understand it, and look over your notes it shouldn't be difficult to pass with a C- or better
- Great teacher that makes the material interesting.
- He did a really good job teaching the course. 10/10 do recommend.
- He's brilliant and explains topics very well. I just don't like how the exams are sometimes too different from the homework/practice/everything. Very difficult.
- I enjoyed the class and the material, but in some places you lose touch with the usefulness of the material. I wish there were a little more real world application problems even if they are something none of us will even use. I don't fully understand the point of  $e$  and the point of whether or not a series converges or diverges. I certainly know how to solve these problems, but I don't understand why we solve these problems.
- I feel like there are really no changes to be done to the teaching to the class. As the class notes, homework problems and past midterms are posted on the website for the students to use. In addition, through the use of piazza, students are able to communicate with their TAs or professors on any questions (related to the course) they may have. I think that maybe the only thing that may or may not need to change is spreading out the office hours times for all TAs and professor as they are stacked almost all in one day. Other than that, I believe that there is no need for improvement in regards to the teaching, exams or grading. The class is amazing and enjoyable to attend every time.
- I genuinely enjoyed going to lecture because he was able to keep my attention during class. The classroom was a bit warm for my liking, and it clearly induced sleep into many fellow classmates, but other than that, he was extremely good at teaching difficult material. He also gave good answers on piazza, which is actually really hard when trying to express mathematical concepts. Nobody really came to Friday office hours, but I enjoyed hanging out waiting for my next class and getting to know

Andrews better. Great professor, would recommend to any looking to take 31B.

- I love Andrews!!
- I love Michael's way of introducing a new concept; I feel as though starting with examples that don't actually work help us learn and prevent us from making as many mistakes in the future.
- I think I like Math 31b better than Math 31a. My teacher last quarter was pretty bad
- I think Michael is a really great professor in that he breaks down really difficult ideas into simpler pieces. The exams are mostly very straightforward and grading is always fair. I really enjoyed this class and I'm honestly bummed that Michael isn't teaching 32A.
- I think the class is wonderful and helpful. However, I do think the department should get a larger classroom for this class next time. At the beginning of the quarter, many students have to sit on the floor. Although later in the quarter, most people get seats, the classroom just feel extremely stuffy because of how crowded it is.
- I thought that overall, Andrews was an awesome professor. He is very passionate about mathematics, which effectively grabs the attention of the students in the lecture. He does a great job explaining concepts in a clear, digestible way. My only problem with Andrews is that he often responds condescendingly to students when they ask questions in lecture, making students feel discouraged to express their misunderstanding with the course content.
- In addition to office hour before midterms and finals, maybe it would be more help if the professor can hold review sessions in a larger lecture room.
- Let me tell you, I've absolutely DESPISED math until this class. I will be forever thankful to Professor Andrews for making me enjoy math for once in my life. His lectures are captivating, and he makes things so easy to understand and at the same time truly makes you understand the concept behind everything. I'm really going to be missing having this class next quarter, and I feel like people don't say these things about math classes, so I really hope whoever is reading this takes this to heart. The homework was EXTREMELY reasonable, the most reasonable homework load I've ever had for a math class, and I always went to his office hours. He was very welcoming in asking questions and was very personal and helpful in making sure you understood the concepts. Basically I am so so so thankful and this man deserves everything you could possibly give him so I hope this review helps him out.
- Love the sense of humor in class, makes that 3pm heat almost bearable. Provides productive problems and practice exams.
- Make tests easier
- Michael is a great teacher, who is passionate about math and this reflects in his teaching method, making me more interested in the subject. His midterms were tough and did not accurately reflect the practice midterms. I also believe that the math homework should be graded on completeness rather than being correct, as it gives students a better understanding and discourages them from just blinding copying the correct answer. Other than that, he is a very helpful professor.
- Michael is awesome! Great presence and sense of humor. Makes math fun. Also very clear and answers questions with ease. A pleasure to take his class.
- Michael is extremely dedicated and passionate. He spends hours preparing for lecture and explaining concepts to students. There are office hours at least twice a week and he answers any questions during or after class. The exams are quite difficult though and do not reflect the level of difficulty of the homework assigned.
- Michael takes a very creative approach in teaching and uses his humor in order to make the lectures more engaging. In addition to this, he uses games and asks himself questions similar to how students would ask him in order to structure his lecture. By doing this, he clears up very confusing concepts and

helps break down confusing topics. In addition to this, the way in which he teaches is very easy to follow and helps clear up the confusing aspects of the textbook. Overall, he makes lectures very engaging and gives students resources such as notes and past midterms to supplement learning.

- Michael went through material incredibly quickly and it was sometimes difficult to keep up with the pace of the class. However, he covered the topics thoroughly and provided plenty of opportunities to explain further.
- My personal favorite teacher, Michael teaches well and is very smart and knowledgeable on the material and he is willing to help out anyone in need.
- Not a fan of chalkboards. They can get pretty smudgy and sometimes I'd be straining my eyes to try and read what was written. I have pretty decent vision but perhaps I could've gotten glasses. Still, the chalkboard proved to be quite a nuisance. But I guess chalk sticks are more environmentally friendly/cheaper than whiteboard markers. I blame weak state funding. What the heck, California. Solid course though. Thanks for being a great teacher, Michael
- Only issue is that the exams contain the hardest problems. If professor Andrews could provide extra hard problems outside of the homework, it would be appreciated. Besides that professor Andrews is absolutely amazing. He teaches very well and puts emphasis on knowing the material and not just being able to execute. He is funny, kind, courteous, and truly cares about his students. He has really thought out the course material and knows how to teach it.
- Professor Andrews breaks down every concept into terms that his students can easily understand
- Professor Andrews is a great professor, one of my favorite here at UCLA. He is genuinely concerned about our understanding of the course materials, and makes that known. he takes his time in lecture to make sure we are learning the concepts, and not just copying down his notes. he makes himself available for extra help and is not intimidating to ask questions in and out of class. overall an amazing professor.
- Professor Andrews is a source of inspiration. His classes are extremely interesting and sometimes you want to extend class time to learn more. Professor Andrews and his Teacher Assistants are grading fairly and overall classes, exams, homework are assigned properly. I enjoyed this class!
- Professor Andrews is an amazing instructor who is passionate about what he teaches. He incorporates humor into his lectures and he keeps his students interested and engaged in the lectures. He is always available during office hours and he is patient and eager to answer any and all questions. Overall, he is a great professor and I can't wait to take him for upper division courses.
- Professor Andrews is an amazing professor. His teaching style was clear in that he would write out all his thoughts and steps for a problem out clearly on the board, even if it was not necessary. He made sure that we were never confused.
- Professor Andrews is exceptional in his ability to evoke a curiosity and passion for mathematics in his students, he is easily one of the best instructors I have had the pleasure of learning from in my life. His lectures are engaging, exams are fair (reasonably challenging, but not unsurmountable) and his problem sets are perfect preparation for his exams.
- Professor Andrews is funny and really knowledgeable. He is really passionate about math. But sometimes I found following the pace of the lectures hard as the professor goes over some steps of a mathematic question too quickly. The tests are generally harder than what we've learned. Overall, an okay class.
- Professor Andrews is one of the best professors that UCLA has to offer for this course. He not only is always willing to meet outside his office hours, but he is extremely helpful in terms of confusion for certain topics. His lectures are organized, and designed in a way that makes it easy for people who are not good at math, to follow along.

- Professor Andrews is one of the nicest and effective professors I've had at UCLA. I hope he keeps up the great work!
- Professor Andrews is really helpful during office hours. But I feel like the lectures are a little confusing sometimes because he goes over a lot of material and examples in the class period so I just spend most of it just copying down the notes, but not actually processing what we are learning. So, discussion sections are pretty helpful for that. The exams are hard but doable because we did learn the concepts in class but the numbers are tweaked sometimes which make us have to think harder.
- Professor Andrews is the best math teacher I have ever had. Incredibly knowledgeable, friendly, and fun. He teaches at a good pace and his tests are fair, but they make you use critical thinking skills to solve complex (sometimes theoretical) math problems. His tests are almost fun because you know he's going to throw a curveball or two. He is a wonderful person and a hugely qualified teacher. Learning from someone like Andrews who knows how to teach effectively, loves to do it, and wants his students to succeed is a true pleasure.
- Professor Andrews was a great professor. His classes were really enjoyable and overall, he was open to questions and was extremely patient and understanding while addressing concerns. His tests were excellent because he always evaluated the material we saw in class. The environment professor Andrews created throughout the course was one where us students could actually enjoy learning and not feel discouraged about asking questions.
- Professor Andrews was one of the best professors in UCLA I've ever had. The way he teaches makes the subject understandable by everyone as he does not only solve the problem but explains his thinking behind it too. His exams were very fair, not exactly what we have done in class, so it tests level of knowledge, but not anything that a student who has studied can not do. His analogies and humor were a big help too! The speed in which he goes through the material was perfect. I look forward to taking the other classes he will be teaching in the future!
- Professor Andrews was very effective in teaching 31B--not only did he explicitly lecture on the most relevant material, he also wrote the tests to be as relevant as the homework (which is surprisingly rare for exams, but very necessary). He also provided great help on Piazza and his office hours--very blessed to have had him as a professor.
- Professor Andrews' lectures were very well-organized and well-paced. The course never got too overwhelming or too slow. Professor Andrews taught the course's concepts and material very well, and anything that was unclear was well explained during office hours. He is obviously very passionate and enthusiastic about math and has also made me even more passionate about math than I was before. Professor Andrews' office hours were a huge part of my understanding of the course and the homework was really good practice. Professor Andrews provided all material we needed to know on his course website and Piazza was a really good way to communicate with him, TAs and other students. Exams were fair if you did the study guides, extra recommended practice problems, and attended office hours. I thoroughly enjoyed the course and had a good grasp on the material.
- Professor is excellent. Teaches in a very clear way and provides notes that are made for the student to succeed. Office hours and outside review sessions are provided and proven effective. Personable and easy to approach, responds to emails and communicate very fast. Love this guy.
- Professor was very helpful and willing to help his students. The only weakness was that the exams were a bit difficult if you didn't attend office hours.
- Some "trick" aspects of test questions were not covered explicitly in lecture examples - even if they were in the homework, people's success on these questions were probably largely based on if they were lucky enough to have their TA talk about it.
- The examinations consist of generally fair questions. Professor Andrews lectures with enthusiasm and is clearly prepared as he does not rely on his lecture notes. He provides a lot of helpful examples. Grading is pretty straightforward and fair.

- The instructor explained concepts very clearly and thoroughly. His lectures were always easy to follow and he made the material for the course much easier to understand. His office hours were always helpful and cleared up any confusion that may have arose during homework. The exams and marking were very fair. It was a true privilege to be in this class.
- The instructor is clear and funny during his lectures, and the notes, homework and help offered by him via Piazza were useful and helpful. I feel that the mark denominations of the midterm exams and final could be increased as a careless mistake could cost a large percentage of marks. Apart from this, the professor is great and I learned a lot from him.
- The lectures were very interesting and sort of fun. Though, we only covered the basic ideas of each subject in lectures and more extreme and tricky ideas were tested. While I understand discussion section and practice allow us to expand on lectures, I felt we were assessed on concepts that were not very core to the class and instead required other knowledge or tricks rather than practices of the course. In other words, I think we were assessed on our ability to approach "curve-ball" questions and examples rather than straight-forward examples of taught material.
- The professor is engaging during lecture and he is really good at getting students to understand the topic on a different level
- The professor was exceptional. I thought the exams could have been a little more relevant to past exams and the homework (mostly the second midterm) but overall I enjoyed the class.
- This class is one of the hardest classes I am taking this quarter but Professor Andrews does a good job of explaining the material and helping the students. I do wish that there would be more office hours available for students to ask questions since the material is much harder than 31A.
- This class was very fair. Andrews was informative, interesting, and helped me understand math better. The class concepts were challenging, but I believe Andrews did a good job explaining them. The grading scheme is fair and the midterms conceptually challenged students while still being doable.
- This course is considerably higher in difficulty than 31A so I feel that either 31A should be more difficult or 31B should be a little easier. Professor Andrews does a great job teaching this course, however, it is simply that the material is very difficult.
- This course was quite challenging for me, but I felt like homework assignments and exams were fair. Andrews uses effective examples so students could get a grasp on the difficult concepts and provided simpler analogies for us to remember all of the different theorems and tests we needed to know. However, I do think he went a little fast at times and I felt scared to ask questions because some students would ask questions and he would immediately shut them down if he thought it was silly, making the student feel like his/her question is invalid.
- VERY GOOD. Hands down the best professor I've had at UCLA yet. He is willing to help stupids, entertaining in class and knows how to teach very well.
- Very clear on what he expects and is always available to help.
- Very good instructor!
- Wow Mr. Andrews rocks my world. He is always so helpful in office hours and he is open to any question, no matter how simplistic. He has great pacing during lectures and he is able to make it both interesting and informational. I would take him for a third time if I could! No criticisms whatsoever.