

## Calculus 3 for Sci/Engr (201830: Spring 2018)

Instructor: **Fernando, Waththage**

Subject: **MATH**

Catalog & Section: **2321 09**

Course ID: **32841**

Objectives:

Enrollment: **38**

Responses Incl Declines: **20**

Declines: **0**

### Course Related Questions

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
The syllabus helped me to learn.	20	52%	4.3	4.0	4.0	4.5	4.0	4.0
The textbook(s) helped me to learn.	20	52%	4.3	3.8	3.8	4.5	4.0	4.0
The materials posted online, including Blackboard, helped me to learn.	20	52%	4.7	4.3	4.2	5.0	4.0	4.0
The out-of-class assignments and fieldwork helped me to learn.	20	52%	4.4	4.2	4.2	5.0	4.0	4.0
The lectures helped me to learn.	20	52%	4.7	4.3	4.1	5.0	5.0	4.0
The in-class discussions and activities helped me to learn.	20	52%	4.4	4.2	4.2	5.0	4.0	4.0
The classroom technology helped me to learn.	20	52%	3.2	3.8	4.0	3.0	4.0	4.0
The required textbook(s) were important for my success in this course.	20	52%	4.2	3.7	3.7	4.5	4.0	4.0
I would recommend that the instructor continue requiring the textbook(s).	20	52%	4.1	3.8	3.8	4.0	4.0	4.0
The required digital and/or other supplemental materials were important for my success in this course.	20	52%	4.1	4.0	4.1	4.5	4.0	4.0
I would recommend the instructor continue requiring the digital and/or supplemental materials.	20	52%	4.1	4.0	4.1	4.5	4.0	4.0
I found this course intellectually challenging.	19	50%	4.8	4.3	4.1	5.0	4.0	4.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Learning Related Questions

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
I learned a lot in this course.	20	52%	4.8	4.3	4.3	5.0	5.0	4.0
I learned to apply course concepts and principles.	20	52%	4.7	4.3	4.3	5.0	4.0	4.0
I developed additional skills in expressing myself orally and in writing.	20	52%	2.7	3.7	4.0	3.0	4.0	4.0
I learned to analyze and evaluate ideas, arguments, and points of view.	20	52%	2.8	3.9	4.1	3.0	4.0	4.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Instructor Related Questions: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
The instructor possessed the basic communication skills necessary to teach the course.	20	52%	4.7	4.4	4.4	5.0	5.0	5.0
The instructor clearly communicated ideas and information.	20	52%	4.5	4.2	4.3	5.0	5.0	5.0
The instructor clearly stated the objectives of the course.	20	52%	4.8	4.4	4.4	5.0	5.0	5.0
The instructor covered what was stated in the course objectives and syllabus.	20	52%	4.9	4.5	4.5	5.0	5.0	5.0
The instructor came to class prepared to teach.	20	52%	5.0	4.6	4.5	5.0	5.0	5.0
The instructor used class time effectively.	20	52%	4.8	4.4	4.3	5.0	5.0	5.0
The instructor provided sufficient feedback.	20	52%	4.3	4.2	4.2	4.5	5.0	4.0
The instructor fairly evaluated my performance.	20	52%	4.5	4.4	4.3	5.0	5.0	5.0
The instructor is someone I would recommend to other students.	20	52%	4.3	4.2	4.3	5.0	5.0	5.0
The instructor treated students with respect.	20	52%	4.6	4.5	4.5	5.0	5.0	5.0
The instructor acknowledged and took effective action when students did not understand the material.	20	52%	4.3	4.2	4.3	5.0	5.0	5.0
The instructor was available to assist students outside of class.	20	52%	4.7	4.4	4.4	5.0	5.0	5.0
The instructor displayed enthusiasm for the course.	20	52%	4.8	4.5	4.5	5.0	5.0	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Instructor Effectiveness: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
What is your overall rating of this instructor's teaching effectiveness?	20	52%	4.7	4.4	4.4	5.0	5.0	5.0

Note: 5:Almost Always Effective; 4:Usually Effective; 3:Sometimes Effective; 2:Rarely Effective; 1:Never Effective;

### Course Related Questions (14 comments)

#### Q: Please comment on the strength and/or weakness of the required textbook/course materials.

- The textbook was really good. It has lectures online and videos explaining how to do practice problems which helped me a lot.
- \$10 textbook is a bargain, and is VERY important if you intend to pass Calc 3.
- The textbook itself was hard to read, but I think the practice problems and associated video explanations were extremely helpful. I also think providing the past final exams and the fall 2017 exams were very helpful, as it gave me a good benchmark for the types of problems expected on the exams, and gave me a wider scope of problems to practice.
- The lectures were effective at forming a basis of knowledge for a concept and conveyed enough information to be competent with review. The homework problems solidified the content from the lectures and allowed us to apply what we learned.
- The textbook was a great fit for this course. The order that topics are introduced is reasonable, and the book itself is written well. I also appreciated the extra sections in the book ( more depth, linear algebra). These are good for students who want to get a bit more out of the course or have seen these topics before, but are not required to pass the class. Many practice problems, tests, finals provided which was great
- Fernando was so effective at teaching that the textbook was not really needed, but I already had it from Calc 2 and they were so well priced that it was a good resource for additional practice problems
- The videos available through the textbook were extremely useful and helpful
- The homework questions in the textbook were extremely helpful. I would definitely recommend getting the PDF version of the textbook and not the hard copy, because it includes links to answers to problems and videos solving these problems.

- 9 Although theoretically you should be able to learn everything you need from the textbooks, Fernando loves to throw in questions that are significantly more challenging.
- 10 In general, I didn't use the textbook for this class. Homework problems were supplied there, but I generally did not do these. I learned much more from the lectures than the book.
- 11 I found the textbook to not be very clear or organized and wish that the course had used a different one. The only purpose I used the text for were the homework assignments.
- 12 The past final exams were more helpful than the textbook.
- 13 The textbook was helpful as a second method of explaining concepts, and it also had an ample amount of exercises to practice with. I personally didn't use the text consistently, but it was useful.
- 14 Good textbook, at times explanations in it are confusing and overly complicated, but lecture was able to cover all topics

#### Learning Related Questions (8 comments)

##### **Q: Please comment on the strengths of this course and/or ways to improve this course.**

- 1 This is a well laid out course but it moves really fast so it was hard to keep up a lot of times in the lecture.
- 2 I learned a lot from this class overall. The course is structured well and it covers topics in a logical order.
- 3 It was nice to see the connections to physics, as this course introduced an actual application of the more theoretical math concepts, which is an aspect usually absent from most math courses.
- 4 The course effectively covers most topics in introductory multi-variable/vector calculus. I would have appreciated more exercises dealing with applications and uses in physics such as gravitation and Maxwell's laws.
- 5 The problem sheets in class were very helpful and the professor's system of teaching was good overall. It is a hard course and I am struggling but it does not have to do with how the course is taught.
- 6 Good class on Calc 3. Material was covered at a manageable pace and explained through many examples in class. You will need to read the textbook to get the full story. Appreciated the Engineering/Physics focus of many examples
- 7 Hard but rewarding
- 8 Very challenging class but I learned a lot

#### Instructor Related Questions: Waththage Fernando (14 comments)

##### **Q: Describe instructor's strengths, areas for improvement, and any additional comments.**

- 1 I really liked Professor Fernando. One time I wanted to visit him during office hours but I was busy so he made time for me to come in and talk to him. He grades fairly and is also really funny. It's clear he wants the students to do well in the class and gives us all of the resources necessary to do well. The only complaint I have is that he made the first few exams really hard because we were an honors section, but he drops the lowest exam grades so it doesn't matter in the end.
- 2 He gave one nearly impossible (average score < 70% in an honors section) exam, but besides that he was intelligent, friendly, and an all-around superb Professor.
- 3 Professor Fernando is a great teacher - he is dedicated to seeing his students succeed and is always willing to provide methods of improvement whenever I felt like I was struggling. The office hours he provided were really helpful, though possibly spreading the time out more and offering more than just one large block the day before the tests are usually held would be more effective. He is engaging during class lecture, and explains concepts clearly and completely. He is very enthusiastic about math, and his excitement makes class more interesting. His class was one of the rare classes that I very much enjoyed going to and being in, despite not doing well in it, because I always felt like I left class having learned something new. Something he could change is slowing down a little bit.
- 4 The professor was good about stopping and asking if we had any questions about the content.
- 5 Professor Fernando was great. Introduced the ideas through examples to add some practicality to the material. Frequently asked if students were confused or had questions. Very willing to meet during office hours to discuss problems. Knowledgeable and good at explaining the material, class time was never wasted.
- 6 Fernando is one of the most adorable guys I have ever met. Though I am usually too tired to laugh, I love his little jokes, even when he tells us that sometimes we deserve extra credit - "which can be negative". He is the best teacher I have had for math, and I really understand the concepts we are learning about. It will be hard for any teachers to top him.
- 7 Great professor, taught very well. The class did move very quickly, however, requiring students to do a lot of work on their own.

- 8 Fernando is great at explaining complex calculus concepts and is a very good lecturer. He is clearly extremely knowledgeable about calculus. His tests were extremely difficult, especially for the honors section, and they made it difficult to do well in the class since they are the only thing your grade is based on. There are other math teachers here who give review sheets that look basically exactly like the test. Fernando doesn't do this, which makes the tests more difficult but also forces you to actually have a good understanding of the material.

---

- 9 Fernando talks really fast, to the point where its almost impossible to both copy down notes and listen to what he's saying. He makes his tests far harder than all the other calc 3 profs (even ones in other honors sections) and expects his students to perform well. He regularly jokes about how easy the course is, which makes students feel stupid and defeated.

---

- 10 Fernando is a really great teacher. His lectures are very clear and he always covers topics in enough depth so that we all thoroughly understood the topics. He was always willing to slow down and answer questions if we had any. The topics are difficult, but he does a great job with them. He always throws jokes into his lectures as well to keep us engaged and entertained.

---

- 11 The instructor is very enthusiastic and knowledgeable about the course material; however, his lectures were a bit too fast-paced at time.

---

- 12 Explanations were always very thorough and understandable.

---

- 13 Fernando is a wonderful professor. He knows the material and effectively communicates it.

---

- 14 Waththage Fernando is an excellent teacher. He is engaging in class, and moves quickly through the material while stopping if students are having trouble. He does have a fair amount dry comedy, but it is not a hindrance to the course. I would highly recommend taking one of his courses.

## Calculus 3 for Sci/Engr (201830: Spring 2018)

Instructor: **Fernando, Waththage**

Subject: **MATH**

Catalog & Section: **2321 11**

Course ID: **35598**

Objectives:

Enrollment: **40**

Responses Incl Declines: **23**

Declines: **1**

### Course Related Questions

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
The syllabus helped me to learn.	22	55%	4.1	4.0	4.0	4.0	4.0	4.0
The textbook(s) helped me to learn.	22	55%	4.1	3.8	3.8	4.0	4.0	4.0
The materials posted online, including Blackboard, helped me to learn.	22	55%	4.8	4.3	4.2	5.0	4.0	4.0
The out-of-class assignments and fieldwork helped me to learn.	22	55%	4.4	4.2	4.2	5.0	4.0	4.0
The lectures helped me to learn.	22	55%	4.8	4.3	4.1	5.0	5.0	4.0
The in-class discussions and activities helped me to learn.	22	55%	4.7	4.2	4.2	5.0	4.0	4.0
The classroom technology helped me to learn.	22	55%	4.6	3.8	4.0	5.0	4.0	4.0
The required textbook(s) were important for my success in this course.	22	55%	4.2	3.7	3.7	5.0	4.0	4.0
I would recommend that the instructor continue requiring the textbook(s).	22	55%	4.3	3.8	3.8	5.0	4.0	4.0
The required digital and/or other supplemental materials were important for my success in this course.	22	55%	4.6	4.0	4.1	5.0	4.0	4.0
I would recommend the instructor continue requiring the digital and/or supplemental materials.	22	55%	4.4	4.0	4.1	5.0	4.0	4.0
I found this course intellectually challenging.	20	50%	4.6	4.3	4.1	5.0	4.0	4.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Learning Related Questions

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
I learned a lot in this course.	22	55%	4.8	4.3	4.3	5.0	5.0	4.0
I learned to apply course concepts and principles.	22	55%	4.6	4.3	4.3	5.0	4.0	4.0
I developed additional skills in expressing myself orally and in writing.	22	55%	3.4	3.7	4.0	3.0	4.0	4.0
I learned to analyze and evaluate ideas, arguments, and points of view.	22	55%	3.7	3.9	4.1	4.0	4.0	4.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Instructor Related Questions: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
The instructor possessed the basic communication skills necessary to teach the course.	22	55%	4.8	4.4	4.4	5.0	5.0	5.0
The instructor clearly communicated ideas and information.	22	55%	4.8	4.2	4.3	5.0	5.0	5.0
The instructor clearly stated the objectives of the course.	22	55%	4.8	4.4	4.4	5.0	5.0	5.0
The instructor covered what was stated in the course objectives and syllabus.	22	55%	4.9	4.5	4.5	5.0	5.0	5.0
The instructor came to class prepared to teach.	22	55%	4.9	4.6	4.5	5.0	5.0	5.0
The instructor used class time effectively.	22	55%	4.9	4.4	4.3	5.0	5.0	5.0
The instructor provided sufficient feedback.	22	55%	4.5	4.2	4.2	5.0	5.0	4.0
The instructor fairly evaluated my performance.	22	55%	4.5	4.4	4.3	5.0	5.0	5.0
The instructor is someone I would recommend to other students.	22	55%	4.8	4.2	4.3	5.0	5.0	5.0
The instructor treated students with respect.	22	55%	4.9	4.5	4.5	5.0	5.0	5.0
The instructor acknowledged and took effective action when students did not understand the material.	22	55%	4.5	4.2	4.3	5.0	5.0	5.0
The instructor was available to assist students outside of class.	22	55%	4.7	4.4	4.4	5.0	5.0	5.0
The instructor displayed enthusiasm for the course.	22	55%	4.9	4.5	4.5	5.0	5.0	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Effectiveness: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
What is your overall rating of this instructor's teaching effectiveness?	22	55%	4.9	4.4	4.4	5.0	5.0	5.0

Note: 5:Almost Always Effective; 4:Usually Effective; 3:Sometimes Effective; 2:Rarely Effective; 1:Never Effective;

## Course Related Questions (9 comments)

### Q: Please comment on the strength and/or weakness of the required textbook/course materials.

- The book problems help fantastically with success in the class. Could always introduce topics from a more fundamental point of view, but overall great.
- Textbook is good
- I never used the textbook, the problem sheets and past exams were enough practice for me. Your mileage may vary though.
- The textbook explained the concepts clearly, and the practice questions absolutely led to my success in the course. I wish some of the practice questions had more explanation of how they got to the answers.
- Homework assignments were optional so usage of the textbook was not required; however, the suggested homework was very helpful and well represented the covered material.
- The textbook is really not necessary, but it can be usefully to have for extra practice problems or to get a different look at the subject. The materials he hands out are great and very helpful
- The textbook is needed for homework problems and is inexpensive, but you could probably have enough practice problems just by doing previous tests and final exam questions posted on blackboard
- The textbook is really helpful just so that you can do the homework and stay up to date with what's happening in lecture. The actual sections covered in the book make it slightly more complicated, but provide good examples.
- The book was good because it had links to videos showing you how to do a select few problems. However, I wish that we had access to the full solutions since when doing the homework, often there is no way of knowing if you got the answer right. If the question did have

the answer in the back of the book and I got it wrong, there is no way of figuring out where I am going wrong. Since there is no class time devoted to discussing homework and the homework is not collected ever (giving us no feedback other than tests), it is frustrating to attempt the homework with out the solution manual.

#### Learning Related Questions (5 comments)

**Q: Please comment on the strengths of this course and/or ways to improve this course.**

- 1 Could ask for more conceptual explanations. Overall a great exhibition of the extension of calc into 3D and beyond.
- 2 Good course
- 3 I think this was a strong course. I liked how we were tested on the material every other week rather than every week.
- 4 This is a great course, it goes a little fast, but is manageable because of the teacher.
- 5 This was definitely my most challenging class this semester, but I feel I learned a lot from this experience and this professor.

#### Instructor Related Questions: Waththage Fernando (12 comments)

**Q: Describe instructor's strengths, areas for improvement, and any additional comments.**

- 1 Great attitude towards math and interpersonal skills. Could be a little more present through email, and maybe host some review sessions?
- 2 Amazing instructor.
- 3 Prof Fernando is of the nicest teachers. But I think that spending 10% less time on theory and using that time for examples would be more useful. Keep teaching math Fernando! I loved that Fernando had so much enthusiasm.
- 4 Can't recommend Prof. Fernando enough. Very clear lectures, even if they occasionally felt a little fast. He's typically generous with dropped/replaced tests but won't tell you until the end of the semester, and tailors it to the performance of the current semester's class, so don't rely on anything.
- 5 Fernando is an excellent professor--he explains the concepts clearly, he has a quirky and adorable sense of humor, and he is clearly enthusiastic about the material. He does a variety of example questions in class and makes it clear what we should expect on the tests. He is very excited to answer questions in class and in office hours. 10/10 would recommend.
- 6 The instructor was very enthusiastic towards the course and respectful of students. He answered questions effectively and made himself available to discuss the material or specific questions in greater detail outside of class. The instructor was also very kind and pleasant to be in class with.
- 7 Prof Fernando was a really good professor. He taught calc 3 very well and in a way that was easy to understand. He is enthusiastic about teaching, and class is always interesting.  
He dropped the lowest two grades of the semester despite saying he wouldn't drop any grades, and from what I've heard, he says that every year.
- 8 He is great at demonstrating the subjects and manages to cover everything you need to or could want to know. Very enthusiastic and helpful
- 9 Fernando is funny and a great guy. If you go to lecture you'll learn everything you need with all theorems and concepts written and proven clearly out on the board. We did plenty of practice problems for each unit. Sometimes he could move quickly in lecture but is open to questions and genuinely wants his students to do well and understand the material
- 10 Spending less time on the theory and more on examples would have been helpful.
- 11 Fernando is a great professor, I would easily recommend him to any student taking calc 3, or any other math course for that matter. Although I was definitely challenged in this course, his expectations were reasonable and his lessons were thorough. I am glad I took this class under him because he has made himself very available for help when I have needed it.
- 12 clearly knows the math very well. however, he sometimes goes too fast and loses students in the process. also sometimes when students ask questions he doesn't really answer the question in a way that explains it any better.

## Advanced Linear Algebra (201840: Summer 1 2018)

Instructor: **Fernando, Waththage**

Subject: **MATH**

Catalog & Section: **4571 01**

Course ID: **41169**

Objectives:

Enrollment: **18**

Responses Incl Declines: **6**

Declines: **0**

### Course Related Questions

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
The syllabus helped me to learn.	6	33%	3.8	4.2	4.1	3.5	4.0	4.0
The textbook(s) helped me to learn.	6	33%	3.7	3.9	4.0	3.5	4.0	4.0
The materials posted online, including Blackboard, helped me to learn.	6	33%	4.0	4.5	4.4	4.0	5.0	5.0
The out-of-class assignments and fieldwork helped me to learn.	6	33%	3.8	4.3	4.3	3.5	5.0	4.0
The lectures helped me to learn.	6	33%	5.0	4.5	4.3	5.0	5.0	5.0
The in-class discussions and activities helped me to learn.	6	33%	4.8	4.3	4.3	5.0	5.0	5.0
The classroom technology helped me to learn.	6	33%	5.0	3.9	4.1	5.0	4.0	4.0
The required textbook(s) were important for my success in this course.	6	33%	3.4	3.8	3.9	3.0	4.0	4.0
I would recommend that the instructor continue requiring the textbook(s).	6	33%	3.6	3.9	3.9	3.0	4.0	4.0
The required digital and/or other supplemental materials were important for my success in this course.	6	33%	5.0	4.1	4.2	5.0	4.0	4.0
I would recommend the instructor continue requiring the digital and/or supplemental materials.	6	33%	5.0	4.2	4.2	5.0	4.0	4.0
I found this course intellectually challenging.	6	33%	4.3	4.3	4.2	4.5	4.0	4.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Learning Related Questions

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
I learned a lot in this course.	6	33%	4.7	4.4	4.4	5.0	5.0	5.0
I learned to apply course concepts and principles.	6	33%	4.5	4.4	4.4	4.5	5.0	5.0
I developed additional skills in expressing myself orally and in writing.	6	33%	4.2	3.9	4.1	4.0	4.0	4.0
I learned to analyze and evaluate ideas, arguments, and points of view.	6	33%	4.4	4.1	4.3	4.0	4.0	4.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Instructor Related Questions: Waththage Fernando



Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
The instructor possessed the basic communication skills necessary to teach the course.	6	33%	5.0	4.5	4.5	5.0	5.0	5.0
The instructor clearly communicated ideas and information.	6	33%	4.8	4.4	4.4	5.0	5.0	5.0
The instructor clearly stated the objectives of the course.	6	33%	4.3	4.5	4.5	5.0	5.0	5.0
The instructor covered what was stated in the course objectives and syllabus.	6	33%	4.8	4.6	4.5	5.0	5.0	5.0
The instructor came to class prepared to teach.	6	33%	5.0	4.7	4.6	5.0	5.0	5.0
The instructor used class time effectively.	6	33%	4.8	4.5	4.4	5.0	5.0	5.0
The instructor provided sufficient feedback.	6	33%	4.7	4.4	4.3	5.0	5.0	5.0
The instructor fairly evaluated my performance.	6	33%	4.8	4.5	4.4	5.0	5.0	5.0
The instructor is someone I would recommend to other students.	6	33%	5.0	4.5	4.4	5.0	5.0	5.0
The instructor treated students with respect.	6	33%	5.0	4.6	4.6	5.0	5.0	5.0
The instructor acknowledged and took effective action when students did not understand the material.	6	33%	4.8	4.5	4.4	5.0	5.0	5.0
The instructor was available to assist students outside of class.	6	33%	4.8	4.5	4.5	5.0	5.0	5.0
The instructor displayed enthusiasm for the course.	6	33%	5.0	4.6	4.6	5.0	5.0	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Instructor Effectiveness: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
What is your overall rating of this instructor's teaching effectiveness?	6	33%	5.0	4.6	4.5	5.0	5.0	5.0

Note: 5:Almost Always Effective; 4:Usually Effective; 3:Sometimes Effective; 2:Rarely Effective; 1:Never Effective;

### Course Related Questions (3 comments)

#### Q: Please comment on the strength and/or weakness of the required textbook/course materials.

- 1 We covered topics outside the textbook and the textbook covered applied application that we did not cover. The book however was very well written on the topics we did cover.
- 2 For the sections of the course that matched the textbook, I felt it provided adequate coverage.
- 3 meh?

### Learning Related Questions (3 comments)

#### Q: Please comment on the strengths of this course and/or ways to improve this course.

- 1 This course was great, it covered a lot of topics and the presentations at the end were a great addition.
- 2 Overall, I thought that the format and flexibility in this course were its definite strengths, however I felt like the course spent far too long on the more basic material of the first 4 weeks, with most proofs early on being intuitive and of a similar structure.

However, the last half picked up nicely, with the later material being unfamiliar and very interesting. The student presentations were a great idea and were definitely the highlight of the course. To this end, I felt that having more regular in class discussions on why certain

concepts or theorems are important in the bigger picture could have helped with getting a good intuitive grasp of the topics.

I would have liked to have covered the Spectral theorem and more on different types of spaces and why they are important/used in addition to just dual spaces.

3 Group theory should be a prerec

#### Instructor Related Questions: Waththage Fernando (4 comments)

##### **Q: Describe instructor's strengths, areas for improvement, and any additional comments.**

- 1 Really amazing teacher and great personality. He moved quickly through the material, but he always explained things well and took time to answer questions.
- 2 Fernando is great, everyone seriously interested in math should take a class with him.
- 3 Professor Fernando was an excellent math professor! I found him to be friendly and approachable, and his willingness to explain concepts in different ways was very useful. His ability to answer student questions during lecture was first-rate and his notes and proofs were easy to understand.

At times the start of lecture felt a bit jarring; it could have been helpful to begin the lecture with a non-technical intro to the day's material and its place in the larger scope of the course material.

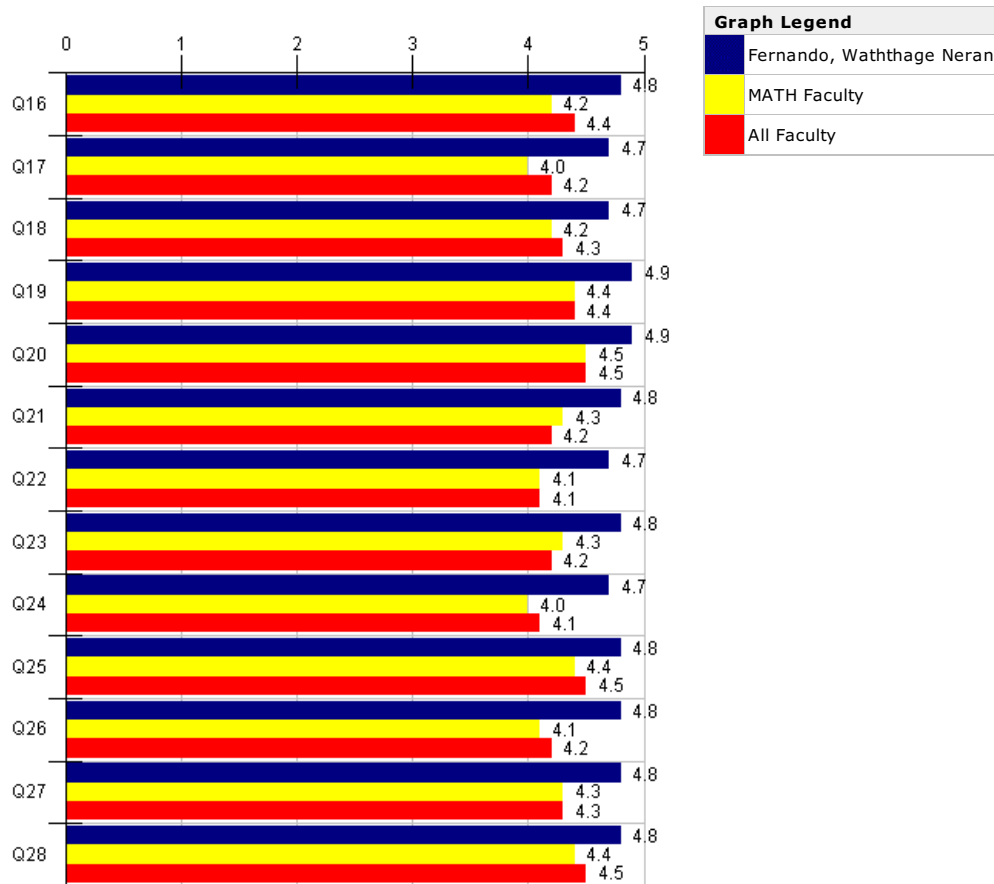
I also want to note how helpful Professor Fernando was outside of lecture at going more into depth on class topics and offering advice and perspectives about higher math education. It's this kind of care that really helps students and elevates a good teacher to a great one.

4 So great but so fast

<b>Course:</b>	MATH2321 07 - Calculus 3 for Sci/Engr	<b>Department:</b>	MATH
<b>Responsible Faculty:</b>	Waththage Neran Fernando	<b>Responses / Expected:</b>	39 / 46 (84.78%)

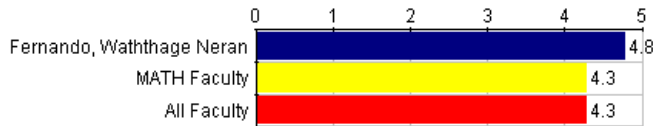
Course Questions	MATH2321 - 07							--- Survey Comparisons ---					
	Responses		Course					MATH			All		
	IWP	ICN	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
Q1 All responses are completely anonymous, and participation in the evaluation process is expected. However, you are permitted to opt out of completing this questionnaire by selecting "Opt Out."	39	0	39	2.0	2	0	0	2.8K	1.9	90	51K	1.9	83

Responses: [IWP] I will participate=2 [ICN] I choose not to participate=1  
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions		Fernando, Waththage Neran										--- Survey Comparisons ---					
		Responses					Individual					MATH			All		
		SA	A	N	D	SD	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
Q16	The instructor possessed the basic communications skills necessary to teach the course.	31	6	0	1	0	38	4.8	5	.58	.09	2.5K	4.2	89	47K	4.4	76
Q17	The instructor clearly communicated ideas and information.	29	8	1	1	0	39	4.7	5	.65	.10	2.5K	4.0	85	47K	4.2	74
Q18	The instructor clearly stated the objectives of the course.	29	8	2	0	0	39	4.7	5	.56	.09	2.5K	4.2	89	47K	4.3	78
Q19	The instructor covered what was stated in the course objectives and syllabus.	35	3	1	0	0	39	4.9	5	.40	.06	2.5K	4.4	95	47K	4.4	91
Q20	The instructor came to class prepared to teach.	34	5	0	0	0	39	4.9	5	.33	.05	2.5K	4.5	91	47K	4.5	86
Q21	The instructor used class time effectively.	35	2	2	0	0	39	4.8	5	.48	.08	2.5K	4.3	93	47K	4.2	91
Q22	The instructor provided sufficient feedback.	30	6	2	1	0	39	4.7	5	.69	.11	2.5K	4.1	89	47K	4.1	83
Q23	The instructor fairly evaluated my performance.	32	6	1	0	0	39	4.8	5	.46	.07	2.5K	4.3	90	46K	4.2	89
Q24	The instructor is someone I would recommend to other students.	32	4	1	2	0	39	4.7	5	.76	.12	2.5K	4.0	81	47K	4.1	75
Q25	The instructor treated students with respect.	33	6	0	0	0	39	4.8	5	.36	.06	2.5K	4.4	88	47K	4.5	81
Q26	The instructor acknowledged and took effective action when students did not understand the material.	31	7	1	0	0	39	4.8	5	.48	.08	2.5K	4.1	91	46K	4.2	86
Q27	The instructor was available to assist students outside of class.	32	5	1	0	0	38	4.8	5	.45	.07	2.5K	4.3	93	45K	4.3	89
Q28	The instructor displayed enthusiasm for the course.	35	2	2	0	0	39	4.8	5	.48	.08	2.5K	4.4	89	47K	4.5	80

Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1  
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)



Graph Legend	
<span style="color: blue;">■</span>	Fernando, Waththage Neran
<span style="color: yellow;">■</span>	MATH Faculty
<span style="color: red;">■</span>	All Faculty

Instructor Questions	Fernando, Waththage Neran											--- Survey Comparisons ---					
	Responses					Individual						MATH			All		
	AAE	UE	SE	RE	NE	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk	
Q29	What is your overall rating of this instructor's teaching effectiveness?																
	32	6	1	0	0	39	4.8	5	.46	.07	2.5K	4.3	85	48K	4.3	78	

**Responses:** [AAE] Almost Always Effective=5 [UE] Usually Effective=4 [SE] Sometimes Effective=3 [RE] Rarely Effective=2 [NE] Never Effective=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)

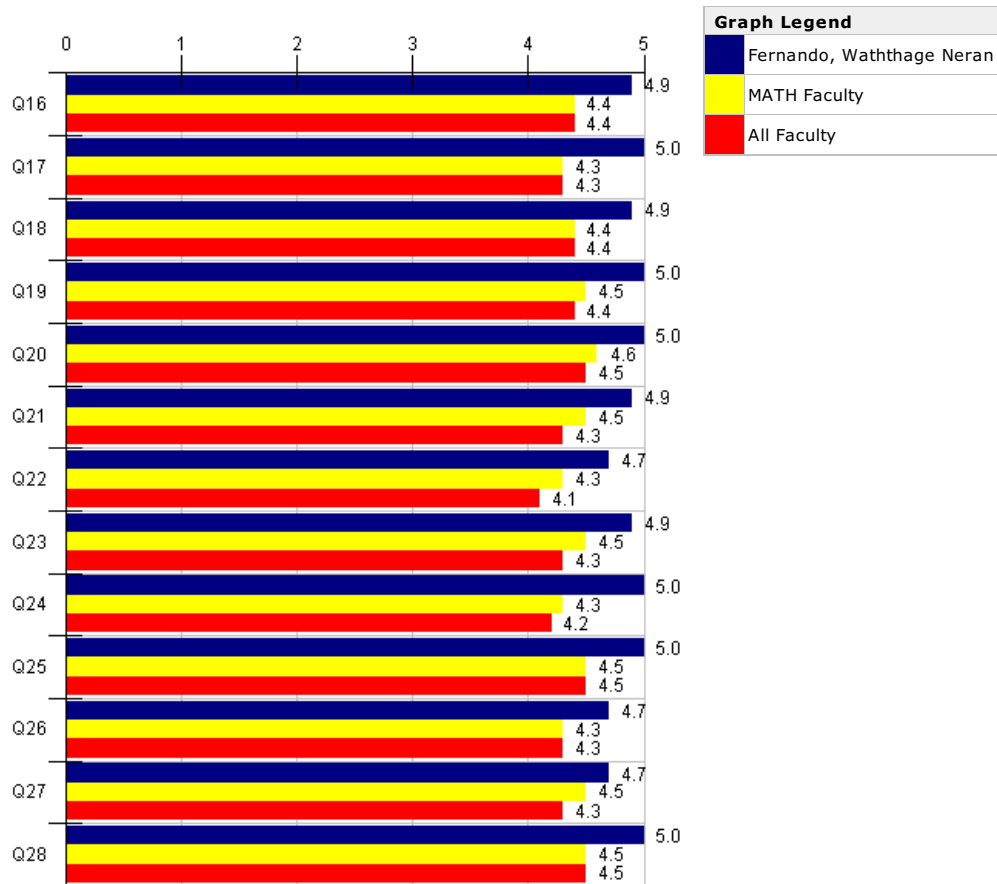
**Q30 - Describe instructor's strengths, areas for improvement, and any additional comments.**

Faculty:	Fernando, Waththage Neran
Response Rate:	61.54% (24 of 39)
-	Professor Fernando is an amazing teacher. He made a subject that was difficult extremely easy to understand, and also gave the class a lot of problems to practice for the test. He really wanted us to learn from this class and understand the concepts well. I felt that just by going to class and paying attention I was ready for each test, and I was right. This instructor made this one of the best classes I've had so far.
-	best math professor i've had at Northeastern. Always a great help and great explaining concepts and methods.
-	great teacher, really learned a lot and a very approachable person.
-	His lecture is very clear, and He is always prepared for every lecture.
-	I believe that he can improve the attendance rate by giving more hints or something in class. Not, just blackboard.
-	Fernando has been, by far one of the best professors that I have had, thus far in my collegiate career. He is easy to approach for help and is always willing to help you understand the material. Also he communicates the material very well.
-	Sometimes skipped over middle steps in problems that students would need explained. Very passionate about the course and math in general
-	I have now had two really good teachers in the math department. Professor Fernando is very clear and his dry math humor keeps the class entertaining.
-	Professor Fernando is GREAT!! He was so enthusiastic about the course and was a very funny instructor. He was very, very, very helpful when addressing student concerns and was so approachable. He definitely made the class worthwhile. He did tend to go over time consistently though.
-	PROFESSOR FERNANDO ROCKS
-	This teacher has been the best teacher I've had in this college. He has helped me feel calculus 3 even easier than calculus 1 or 2 He combines all the values that a teacher must have I can assure to you that no student will have bad comments for Prof. Neranga
-	Professor Fernando played a firm hand in helping me study for the concept and materials of Calculus 3, and effectively taught it in his lectures and online-review sheets. I fully recommend him to teach any mathematics-related material.
-	I've had great calc professors in calc 1 and calc 2, but this professor is by far my favorite. He is extremely passionate about math and he really, really, really wants his students to succeed. He goes the extra mile to help out his students, whether it is posting extra practice problems, posting solutions to everything, and extending office hours to every day until 6pm. Extremely helpful and likable professor, also very smart. Would definitely recommend to other students
-	Professor Fernando is extremely enthusiastic about the material, and teaches it efficiently and effectively. He occasionally wanders off on a brief tangent, but is able to keep the class engaged through his sense of humor and clear explanations of the course material.
-	Lectures were filled with a lot of examples which was very helpful. However, he sometimes moved a bit too fast. It was hard to follow along at times. He was very eager to help though and gave students everything we needed to do well in the course.
-	Mr. Fernando was a pleasure to have as a professor. He knew the subject extremely well and did an excellent job at teaching the material to students. He is always very upbeat and enthusiastic, keeping the students interested. It is always more enjoyable to come to class when you have someone like Professor Fernando teaching it. I'd definitely recommend him to other students.
-	Definitely recommend Fernando, great professor and knows material very well.
-	He's awesome
-	Overall great teacher, the math department normally throws some terrible teachers our way, Neranga is not one of them. First math teacher from northeastern i would ever recommend to someone else
-	This professor really loves his job and was always enthusiastic to teach every class.
-	Fernando is an amazing Professor who made Calculus 3 a very engaging and approachable course. He really wants his students to succeed and explains concepts very well.
-	This guy is the best professor I have ever had at Northeastern. This has some real talent.
-	Neranga was a very effective teacher. He moved a little fast at first but quickly realized it and slowed down the pace of the classes. He was always available for students who needed help and he added a lot of enthusiasm to an otherwise dry course.
-	Great teacher, very helpful and wanted to make sure you understood what you were learning
-	Professor Fernando is a very good professor. He writes quickly, which can be difficult to follow. Overall, it is not an issue because students often ask for clarification, which tends to be very helpful for many. He is also reasonable, patient, kind to students, and cheerful.
-	He is also very funny.
-	Fernando is an amazing instructor. His humor in class keeps everyone interested and he genuinely cares for his students. I would more than definitely recommend him as an instructor.

<b>Course:</b>	MATH2321 10 - Calculus 3 for Sci/Engr	<b>Department:</b>	MATH
<b>Responsible Faculty:</b>	Waththage Neran Fernando	<b>Responses / Expected:</b>	27 / 36 (75%)

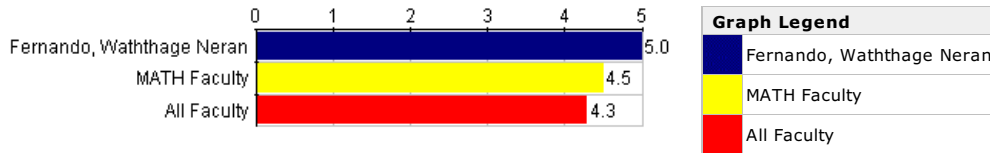
Course Questions	MATH2321 - 10							--- Survey Comparisons ---					
	Responses		Course					MATH			All		
	IWP	ICN	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q1</b> All responses are completely anonymous, and participation in the evaluation process is expected. However, you are permitted to opt out of completing this questionnaire by selecting "Opt Out."	26	1	27	2.0	2	.19	.04	1.8K	1.9	75	42K	1.9	58

**Responses:** [IWP] I will participate=2 [ICN] I choose not to participate=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions		Fernando, Waththage Neran										--- Survey Comparisons ---					
		Responses					Individual					MATH			All		
		SA	A	N	D	SD	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q16</b>	The instructor possessed the basic communications skills necessary to teach the course.	24	2	0	0	0	<b>26</b>	<b>4.9</b>	5	.27	.05	<b>1.6K</b>	<b>4.4</b>	95	<b>40K</b>	<b>4.4</b>	88
<b>Q17</b>	The instructor clearly communicated ideas and information.	25	1	0	0	0	<b>26</b>	<b>5.0</b>	5	.19	.04	<b>1.6K</b>	<b>4.3</b>	96	<b>40K</b>	<b>4.3</b>	91
<b>Q18</b>	The instructor clearly stated the objectives of the course.	24	2	0	0	0	<b>26</b>	<b>4.9</b>	5	.27	.05	<b>1.6K</b>	<b>4.4</b>	96	<b>40K</b>	<b>4.4</b>	92
<b>Q19</b>	The instructor covered what was stated in the course objectives and syllabus.	26	0	0	0	0	<b>26</b>	<b>5.0</b>	5	0	0	<b>1.6K</b>	<b>4.5</b>	97	<b>39K</b>	<b>4.4</b>	96
<b>Q20</b>	The instructor came to class prepared to teach.	26	0	0	0	0	<b>26</b>	<b>5.0</b>	5	0	0	<b>1.6K</b>	<b>4.6</b>	97	<b>39K</b>	<b>4.5</b>	95
<b>Q21</b>	The instructor used class time effectively.	24	2	0	0	0	<b>26</b>	<b>4.9</b>	5	.27	.05	<b>1.6K</b>	<b>4.5</b>	94	<b>39K</b>	<b>4.3</b>	91
<b>Q22</b>	The instructor provided sufficient feedback.	20	5	1	0	0	<b>26</b>	<b>4.7</b>	5	.52	.10	<b>1.6K</b>	<b>4.3</b>	87	<b>39K</b>	<b>4.1</b>	85
<b>Q23</b>	The instructor fairly evaluated my performance.	24	2	0	0	0	<b>26</b>	<b>4.9</b>	5	.27	.05	<b>1.6K</b>	<b>4.5</b>	93	<b>39K</b>	<b>4.3</b>	93
<b>Q24</b>	The instructor is someone I would recommend to other students.	24	0	0	0	0	<b>24</b>	<b>5.0</b>	5	0	0	<b>1.6K</b>	<b>4.3</b>	96	<b>40K</b>	<b>4.2</b>	95
<b>Q25</b>	The instructor treated students with respect.	25	0	0	0	0	<b>25</b>	<b>5.0</b>	5	0	0	<b>1.6K</b>	<b>4.5</b>	96	<b>40K</b>	<b>4.5</b>	94
<b>Q26</b>	The instructor acknowledged and took effective action when students did not understand the material.	20	5	1	0	0	<b>26</b>	<b>4.7</b>	5	.52	.10	<b>1.6K</b>	<b>4.3</b>	83	<b>39K</b>	<b>4.3</b>	82
<b>Q27</b>	The instructor was available to assist students outside of class.	17	6	1	0	0	<b>24</b>	<b>4.7</b>	5	.55	.11	<b>1.6K</b>	<b>4.5</b>	70	<b>38K</b>	<b>4.3</b>	75
<b>Q28</b>	The instructor displayed enthusiasm for the course.	25	1	0	0	0	<b>26</b>	<b>5.0</b>	5	.19	.04	<b>1.6K</b>	<b>4.5</b>	92	<b>40K</b>	<b>4.5</b>	86

Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1  
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions	Fernando, Waththage Neran										--- Survey Comparisons ---					
	Responses					Individual					MATH			All		
	AAE	UE	SE	RE	NE	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
Q29	What is your overall rating of this instructor's teaching effectiveness?															
	26	0	0	0	0	26	5.0	5	0	0	1.6K	4.5	95	40K	4.3	95

**Responses:** [AAE] Almost Always Effective=5 [UE] Usually Effective=4 [SE] Sometimes Effective=3 [RE] Rarely Effective=2 [NE] Never Effective=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)

**Q30 - Describe instructor's strengths, areas for improvement, and any additional comments.**

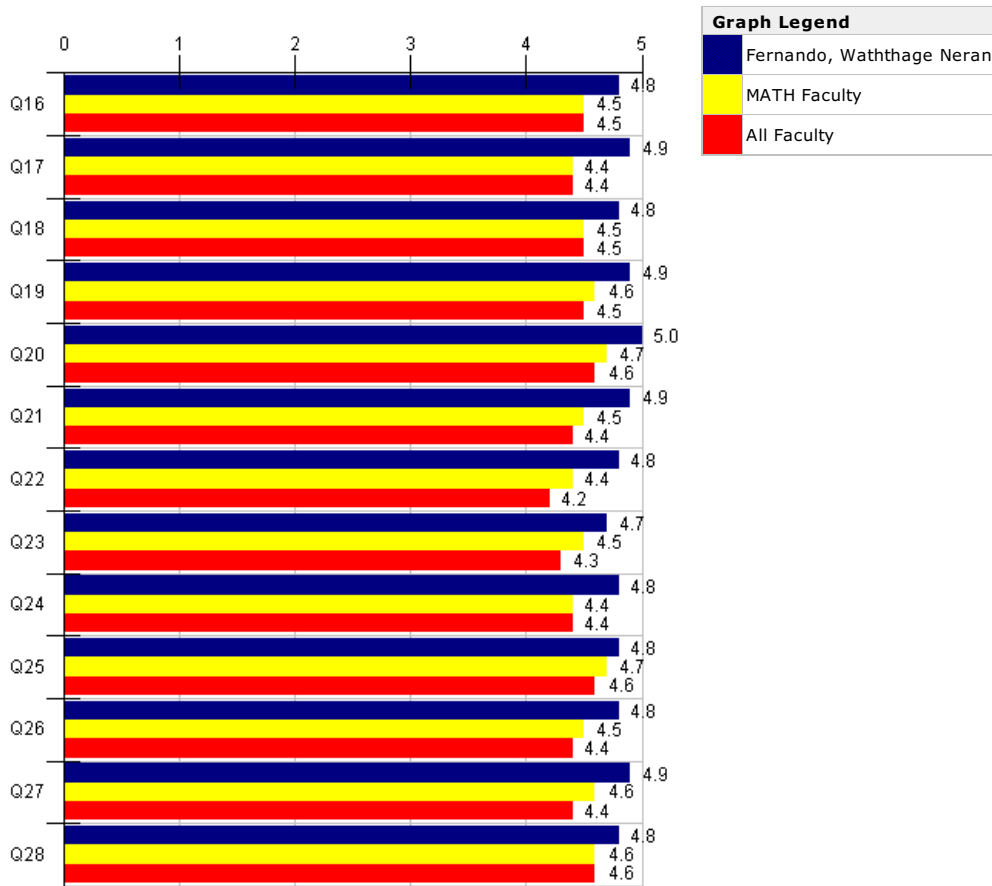
Faculty:	Fernando, Waththage Neran	
Response Rate:	48.15% (13 of 27)	
-	This was the best professor that I have ever had in my life. His enthusiasm for math combined with his immense knowledge and ability to make class fun made me love calculus 3. I would reccommend him to anyone taking one of his classes.	
-	Enthusiastic about the material in the class. Very clear with presenting the information of the class and what was expected for the final. Sense of humor to lighten up the mood of the class some times. Very intellectual man that was could help with other math concepts that were unclear.	
-	The worksheets that were handed out in class and discussed were the perfect way of understanding and learning the material. This professor is by far the best math teacher that I have ever had and made learning Calculus 3 very easy and enjoyable.	
-	Great professor, knows the material very well, tests and quizzes are fair	
-	Would just recommend to wait a little longer before erasing the board. Sometimes he erased what he just wrote down which was relevant and wasn't able to write down in my notes.	
-	Other than that, excellent professor. One of the best at NU.	
-	Teaches slowly, but still covers everything fully; students love him; good explanation when there are questions; very fair grading	
-	Best teacher I have had at Northeastern by far	
-	Awesome instructor. Knew a ton about the subject and was always able to effectively communicate concepts.	
-	Professor Fernando was the best math professor, subsequently for the hardest math course I've had thus far at Northeastern. He presented the material in a very organized format with plenty of examples to make it easier to understand. He always made sure to be available for his office hours to go over concepts and clear up any questions I had.	
-	Really cares about his students. Knows the material very well. Very friendly and approachable.	
-	Professor Fernando was extremely thorough in his lessons and able to teach a lot of material in a short amount of time. The example problem sheet given to us was very helpful for review the topics. Professor was also very helpful when meeting out of class.	
-	Funny, laid-back guy who gives the perfect amount of work. His tests and quizzes accurately reflect what he covers in classes. Great professor- highly recommended.	
-	Fantastic professor. Would gladly take any class he teaches	



<b>Course:</b>	MATH2321 01 - Calculus 3 for Sci/Engr	<b>Department:</b>	MATH
<b>Responsible Faculty:</b>	Waththage Neran Fernando	<b>Responses / Expected:</b>	18 / 49 (36.73%)

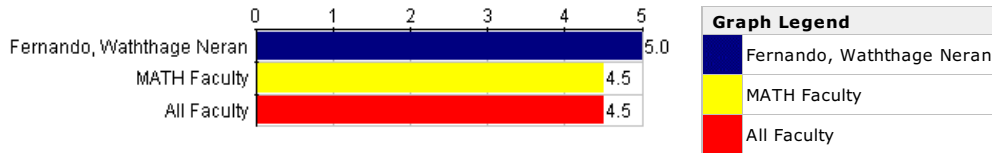
Course Questions		MATH2321 - 01						--- Survey Comparisons ---						
		Responses		Course				MATH			All			
		IWP	ICN	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q1</b>	All responses are completely anonymous, and participation in the evaluation process is expected. However, you are permitted to opt out of completing this questionnaire by selecting "Opt Out."	17	0	17	2.0	2	0	0	135	1.9	71	4K	1.9	73

**Responses:** [IWP] I will participate=2 [ICN] I choose not to participate=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions		Fernando, Waththage Neran										--- Survey Comparisons ---					
		Responses					Individual					MATH			All		
		SA	A	N	D	SD	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q16</b>	The instructor possessed the basic communications skills necessary to teach the course.	14	4	0	0	0	<b>18</b>	<b>4.8</b>	5	.42	.10	<b>139</b>	<b>4.5</b>	84	<b>4.2K</b>	<b>4.5</b>	73
<b>Q17</b>	The instructor clearly communicated ideas and information.	17	0	1	0	0	<b>18</b>	<b>4.9</b>	5	.46	.11	<b>139</b>	<b>4.4</b>	94	<b>4.2K</b>	<b>4.4</b>	89
<b>Q18</b>	The instructor clearly stated the objectives of the course.	15	2	1	0	0	<b>18</b>	<b>4.8</b>	5	.53	.13	<b>139</b>	<b>4.5</b>	91	<b>4.2K</b>	<b>4.5</b>	79
<b>Q19</b>	The instructor covered what was stated in the course objectives and syllabus.	16	2	0	0	0	<b>18</b>	<b>4.9</b>	5	.31	.07	<b>139</b>	<b>4.6</b>	91	<b>4.2K</b>	<b>4.5</b>	89
<b>Q20</b>	The instructor came to class prepared to teach.	18	0	0	0	0	<b>18</b>	<b>5.0</b>	5	0	0	<b>139</b>	<b>4.7</b>	91	<b>4.1K</b>	<b>4.6</b>	93
<b>Q21</b>	The instructor used class time effectively.	16	2	0	0	0	<b>18</b>	<b>4.9</b>	5	.31	.07	<b>139</b>	<b>4.5</b>	97	<b>4.1K</b>	<b>4.4</b>	89
<b>Q22</b>	The instructor provided sufficient feedback.	16	1	1	0	0	<b>18</b>	<b>4.8</b>	5	.50	.12	<b>138</b>	<b>4.4</b>	97	<b>4.1K</b>	<b>4.2</b>	91
<b>Q23</b>	The instructor fairly evaluated my performance.	14	2	2	0	0	<b>18</b>	<b>4.7</b>	5	.67	.16	<b>137</b>	<b>4.5</b>	59	<b>4.1K</b>	<b>4.3</b>	74
<b>Q24</b>	The instructor is someone I would recommend to other students.	16	1	1	0	0	<b>18</b>	<b>4.8</b>	5	.50	.12	<b>137</b>	<b>4.4</b>	91	<b>4.2K</b>	<b>4.4</b>	81
<b>Q25</b>	The instructor treated students with respect.	15	3	0	0	0	<b>18</b>	<b>4.8</b>	5	.37	.09	<b>139</b>	<b>4.7</b>	75	<b>4.2K</b>	<b>4.6</b>	75
<b>Q26</b>	The instructor acknowledged and took effective action when students did not understand the material.	16	1	1	0	0	<b>18</b>	<b>4.8</b>	5	.50	.12	<b>139</b>	<b>4.5</b>	94	<b>4.1K</b>	<b>4.4</b>	88
<b>Q27</b>	The instructor was available to assist students outside of class.	17	1	0	0	0	<b>18</b>	<b>4.9</b>	5	.23	.05	<b>136</b>	<b>4.6</b>	97	<b>4K</b>	<b>4.4</b>	91
<b>Q28</b>	The instructor displayed enthusiasm for the course.	14	4	0	0	0	<b>18</b>	<b>4.8</b>	5	.42	.10	<b>139</b>	<b>4.6</b>	59	<b>4.2K</b>	<b>4.6</b>	65

Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1  
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions	Fernando, Waththage Neran										--- Survey Comparisons ---					
	Responses					Individual					MATH			All		
	AAE	UE	SE	RE	NE	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
Q29	What is your overall rating of this instructor's teaching effectiveness?															
	18	0	0	0	0	18	5.0	5	0	0	139	4.5	97	4.2K	4.5	94

**Responses:** [AAE] Almost Always Effective=5 [UE] Usually Effective=4 [SE] Sometimes Effective=3 [RE] Rarely Effective=2 [NE] Never Effective=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)

**Q30 - Describe instructor's strengths, areas for improvement, and any additional comments.**

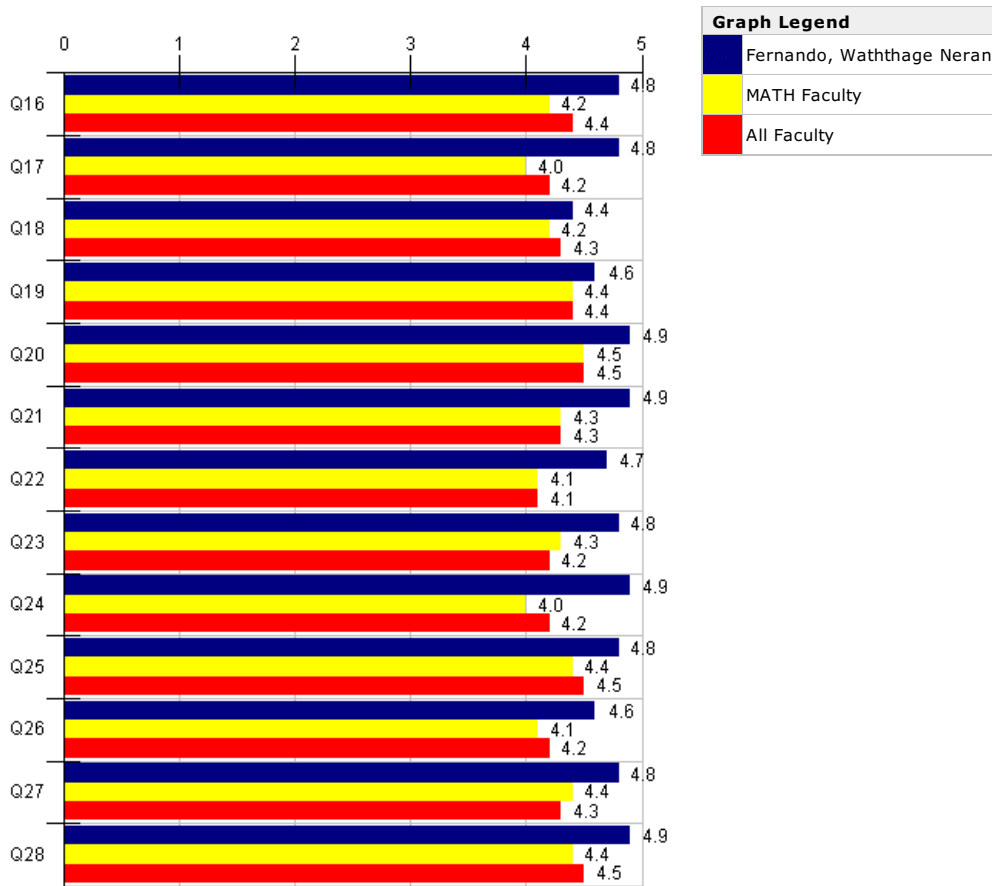
<b>Faculty:</b>	Fernando, Waththage Neran
<b>Response Rate:</b>	27.78% (5 of 18)

-	willingly answers all questions	
-	patient	
-	calm	
-	explains well	
-	Thank you Professor!	
-	Vey fun and educated. He can communicate clearly with the students.	
-	Amazing person and teacher	
-	Best Professor ever. Definitely the best I've had at Northeastern University so far. Makes the subject very clear. Holds office hours almost everyday of the week. He was available in his office for long hours from the last day of lecture to the day exams started. Came to lectures very well prepared.	
-	Calculus 3 can be a little too technical, creates humor in class to keep us engaged and lighten the course.	
-	I hope he taught Physics or some other advanced Engineering courses as well. Would take him for all if I could.	

<b>Course:</b> MATH2321 04 - Calculus 3 for Sci/Engr	<b>Department:</b> MATH
<b>Responsible Faculty:</b> Waththage Neran Fernando	<b>Responses / Expected:</b> 12 / 18 (66.67%)

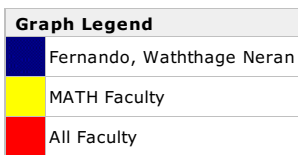
Course Questions	MATH2321 - 04							--- Survey Comparisons ---					
	Responses		Course					MATH			All		
	IWP	ICN	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
Q1 All responses are completely anonymous, and participation in the evaluation process is expected. However, you are permitted to opt out of completing this questionnaire by selecting "Opt Out."	12	0	12	2.0	2	0	0	2.7K	1.9	87	50K	1.9	80

Responses: [IWP] I will participate=2 [ICN] I choose not to participate=1  
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions		Fernando, Waththage Neran										--- Survey Comparisons ---					
		Responses					Individual					MATH			All		
		SA	A	N	D	SD	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
Q16	The instructor possessed the basic communications skills necessary to teach the course.	10	2	0	0	0	12	4.8	5	.37	.11	2.5K	4.2	93	48K	4.4	80
Q17	The instructor clearly communicated ideas and information.	9	3	0	0	0	12	4.8	5	.43	.13	2.5K	4.0	89	48K	4.2	78
Q18	The instructor clearly stated the objectives of the course.	8	3	0	0	1	12	4.4	5	1.11	.32	2.5K	4.2	61	48K	4.3	49
Q19	The instructor covered what was stated in the course objectives and syllabus.	9	2	0	1	0	12	4.6	5	.86	.25	2.5K	4.4	64	47K	4.4	59
Q20	The instructor came to class prepared to teach.	11	1	0	0	0	12	4.9	5	.28	.08	2.5K	4.5	92	47K	4.5	88
Q21	The instructor used class time effectively.	11	1	0	0	0	12	4.9	5	.28	.08	2.5K	4.3	96	47K	4.3	93
Q22	The instructor provided sufficient feedback.	9	2	1	0	0	12	4.7	5	.62	.18	2.5K	4.1	89	47K	4.1	82
Q23	The instructor fairly evaluated my performance.	10	2	0	0	0	12	4.8	5	.37	.11	2.5K	4.3	94	47K	4.2	90
Q24	The instructor is someone I would recommend to other students.	10	1	0	0	0	11	4.9	5	.29	.09	2.5K	4.0	97	47K	4.2	90
Q25	The instructor treated students with respect.	10	2	0	0	0	12	4.8	5	.37	.11	2.5K	4.4	85	48K	4.5	76
Q26	The instructor acknowledged and took effective action when students did not understand the material.	9	1	0	1	0	11	4.6	5	.88	.27	2.5K	4.1	85	47K	4.2	73
Q27	The instructor was available to assist students outside of class.	9	2	0	0	0	11	4.8	5	.39	.12	2.4K	4.4	88	45K	4.3	87
Q28	The instructor displayed enthusiasm for the course.	11	1	0	0	0	12	4.9	5	.28	.08	2.5K	4.4	95	47K	4.5	85

Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1  
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions	Fernando, Waththage Neran											--- Survey Comparisons ---					
	Responses					Individual						MATH			All		
	AAE	UE	SE	RE	NE	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk	
Q29	What is your overall rating of this instructor's teaching effectiveness?																
	9	3	0	0	0	12	4.8	5	.43	.13	2.5K	4.2	81	48K	4.3	74	

**Responses:** [AAE] Almost Always Effective=5 [UE] Usually Effective=4 [SE] Sometimes Effective=3 [RE] Rarely Effective=2 [NE] Never Effective=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)

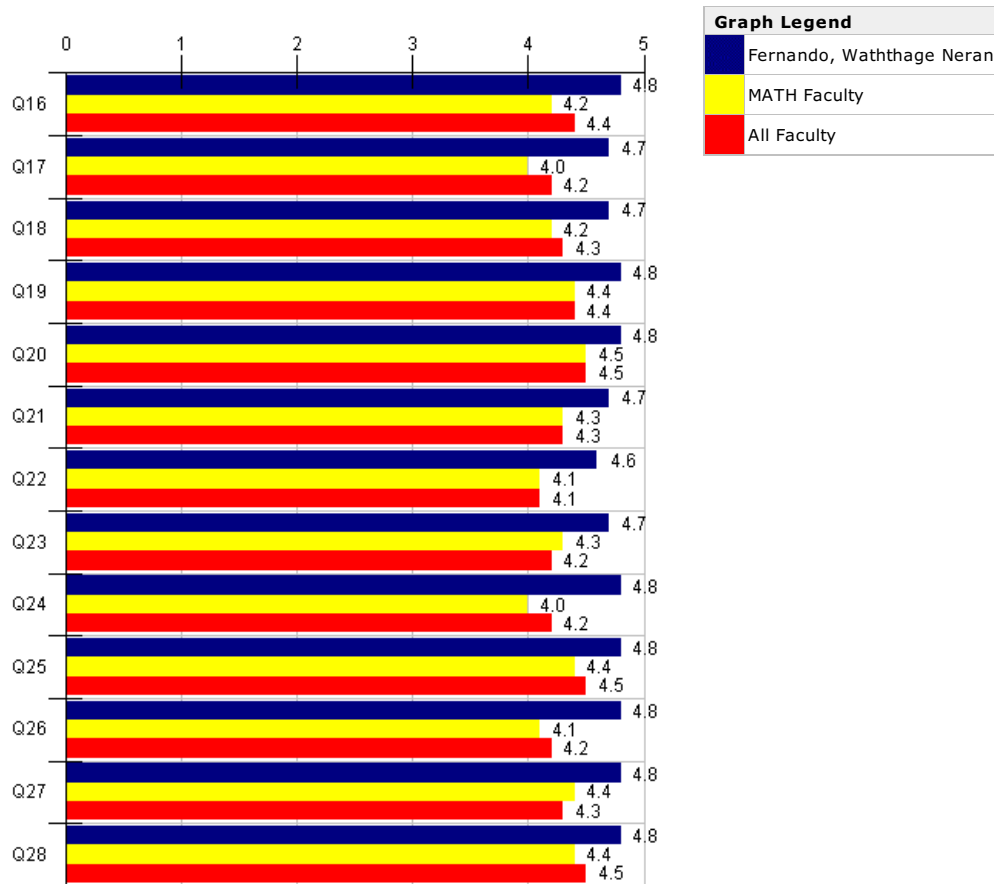
**Q30 - Describe instructor's strengths, areas for improvement, and any additional comments.**

Faculty: Fernando, Waththage Neran		
Response Rate: 41.67% (5 of 12)		
-	My only comment is we need a bigger room for office hours because it gets pretty crowded and not everyone is able to see the board.	
-	Professor Fernando is the best math professor I've ever had. He is extremely organized and is a very good lecturer. He is fair in his grading and does his best to see all of his students succeed. I would definitely recommend him!	
-	My favorite professor at Northeastern. Very down to earth, provided real world examples (practical applications) and provided extra help when needed. Very smart and explained the concepts succinctly and efficiently.	
-	Professor Fernando was a great professor for Calc 3. He managed to turn a difficult class into a fairly simple one. He taught the material affectively and provided students with more than enough tools to succeed in the course. He was enthusiastic to teach, and was very funny, always making jokes while lecturing with the catch phrase "I am bad at jokes". I would HIGHLY recommend Professor Fernando for Calc 3.	
-	Fernando is a great instructor. He teaches at a fast pace but was careful not to leave anyone behind, and always offered extra support when it was needed. I feel like we learned all the practical aspects, as well as how to apply the theory, and I feel prepared for the final. He's also funny, but not everyone catches every joke so pay attention. I highly recommend you take calc 3 with him.	

<b>Course:</b>	MATH2321 05 - Calculus 3 for Sci/Engr	<b>Department:</b>	MATH
<b>Responsible Faculty:</b>	Waththage Neran Fernando	<b>Responses / Expected:</b>	28 / 48 (58.33%)

Course Questions	MATH2321 - 05							--- Survey Comparisons ---					
	Responses		Course					MATH			All		
	IWP	ICN	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q1</b> All responses are completely anonymous, and participation in the evaluation process is expected. However, you are permitted to opt out of completing this questionnaire by selecting "Opt Out."	24	4	28	1.9	2	.35	.07	2.7K	1.9	32	50K	1.9	26

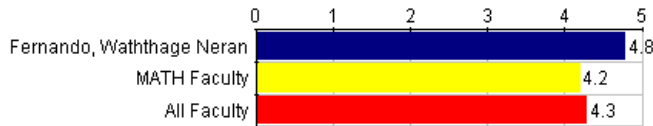
Responses: [IWP] I will participate=2 [ICN] I choose not to participate=1  
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions		Fernando, Waththage Neran										--- Survey Comparisons ---					
		Responses					Individual					MATH			All		
		SA	A	N	D	SD	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
Q16	The instructor possessed the basic communications skills necessary to teach the course.	19	6	0	0	0	25	4.8	5	.43	.09	2.5K	4.2	88	48K	4.4	73
Q17	The instructor clearly communicated ideas and information.	19	5	1	0	0	25	4.7	5	.53	.11	2.5K	4.0	85	48K	4.2	75
Q18	The instructor clearly stated the objectives of the course.	19	5	0	1	0	25	4.7	5	.68	.14	2.5K	4.2	84	48K	4.3	74
Q19	The instructor covered what was stated in the course objectives and syllabus.	19	6	0	0	0	25	4.8	5	.43	.09	2.5K	4.4	81	47K	4.4	79
Q20	The instructor came to class prepared to teach.	20	5	0	0	0	25	4.8	5	.40	.08	2.5K	4.5	77	47K	4.5	76
Q21	The instructor used class time effectively.	19	5	1	0	0	25	4.7	5	.53	.11	2.5K	4.3	79	47K	4.3	80
Q22	The instructor provided sufficient feedback.	17	6	2	0	0	25	4.6	5	.63	.13	2.5K	4.1	85	47K	4.1	77
Q23	The instructor fairly evaluated my performance.	18	6	1	0	0	25	4.7	5	.55	.11	2.5K	4.3	79	47K	4.2	81
Q24	The instructor is someone I would recommend to other students.	20	4	1	0	0	25	4.8	5	.51	.10	2.5K	4.0	86	47K	4.2	80
Q25	The instructor treated students with respect.	20	5	0	0	0	25	4.8	5	.40	.08	2.5K	4.4	82	48K	4.5	72
Q26	The instructor acknowledged and took effective action when students did not understand the material.	19	6	0	0	0	25	4.8	5	.43	.09	2.5K	4.1	91	47K	4.2	84
Q27	The instructor was available to assist students outside of class.	20	5	0	0	0	25	4.8	5	.40	.08	2.4K	4.4	87	45K	4.3	86
Q28	The instructor displayed enthusiasm for the course.	20	5	0	0	0	25	4.8	5	.40	.08	2.5K	4.4	85	47K	4.5	72

Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1  
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)





Graph Legend	
<span style="color: blue;">■</span>	Fernando, Waththage Neran
<span style="color: yellow;">■</span>	MATH Faculty
<span style="color: red;">■</span>	All Faculty

Instructor Questions	Fernando, Waththage Neran											--- Survey Comparisons ---					
	Responses					Individual						MATH			All		
	AAE	UE	SE	RE	NE	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk	
Q29	What is your overall rating of this instructor's teaching effectiveness?																
	21	3	1	0	0	25	4.8	5	.49	.10	2.5K	4.2	88	48K	4.3	79	

**Responses:** [AAE] Almost Always Effective=5 [UE] Usually Effective=4 [SE] Sometimes Effective=3 [RE] Rarely Effective=2 [NE] Never Effective=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)

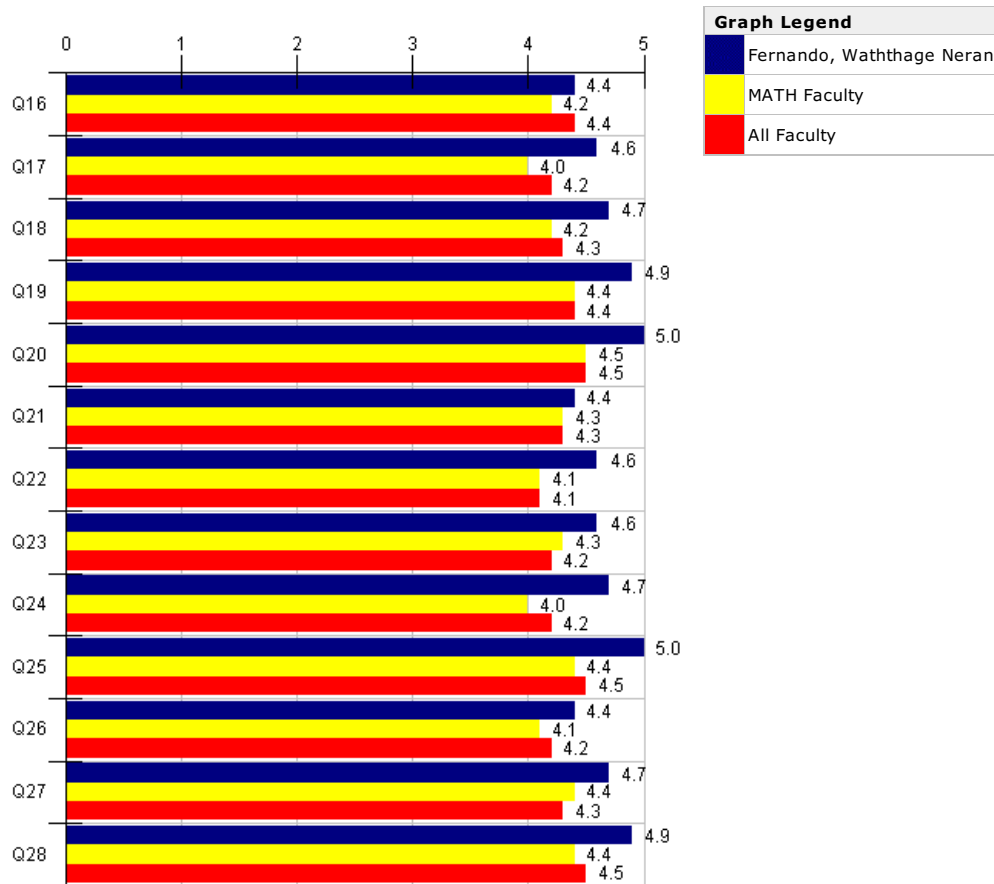
**Q30 - Describe instructor's strengths, areas for improvement, and any additional comments.**

Faculty:	Fernando, Waththage Neran	
Response Rate:	50.00% (14 of 28)	
-	Neranga is among the best prof. I have had in the Math Department and I say that as a Math major. He is clear in his lectures and helps ppl out in office hours. The class in general is difficult though so regardless of whoever you take, it will not be a breeze.	
-	Best professor I have had so far!	
-	TAKE THIS PROFESSOR. I can honestly not stress enough how wonderful Professor Fernando is. He is the best professor I've had here at Northeastern, and I've had him for both Calculus 1 and Calculus 3. This semester I was willing to have an 8am just to have this professor. My calculus 3 class had quite a few students who took him as a professor because they had heard wonderful things about him from people who had him for Calculus 1 and they have yet to be disappointed. He hands out problem sheets in class and goes over every single one, leaving you with plenty of examples. He also goes out of his way to make sure that students understand the material and even gives us "presents" comprising of chances to get extra credit. Do yourself a favor, take Professor Fernando's class.	
-	Great Professor. Would be nice if he had more of a forgiving grading breakdown for the class. High stakes midterms and finals leave students very stressed out and not usually able to preform up to the best of their ability.	
-	The best math professor I've had in college. He sparks your interest in math and is clearly excited from teaching the class. He is very clear with his expectations, and I would take any other math class if he taught it in a heartbeat.	
-	Funny, great, enthusiastic professor. Smartest guy I've ever had teach me	
-	Fernando is an absolute boss. He is awesome I would highly recommend taking any math course with him. He was a big help during office hours and gave a lot of opportunities for extra credit. He also posts a lot of practice material for the midterm/final that is extremely helpful. Can't emphasize enough how awesome Fernando is!!	
-	AMAZING! He was the best math teacher I've had thus far. He was enthusiastic, funny, clear, provided plenty of examples, and made sure everyone's questions were answered before moving on. He deserves a raise!	
-	Instructor was extremely knowledgeable and helpful, would absolutely recommend	
-	All around great	
-	Best professor I've had so far at Northeastern. I had him for calculus 1 and I made sure I got him for calculus 3. He explains the material really well and gives a lot of examples in class so the homework, quizzes weren't bad at all. He wants students to do well in class so he gives as he would like to call them Christmas gifts by the end of the semester to help you out. He has a good sense of humor so class was always fun. He also has these problem sheets that were extremely helpful. This professor managed to make calculus 3 which is something I would have completely hated bearable.	
-	Fun professor, uses learning catalytics at the beginning of every class to have us guess the song he's playing. He was always pretty clear and concise with the material, but he talks a little too fast sometimes.	
-	Fantastic Teacher	
-	The best teacher in the entire Mathematics Department by far. I've had four math teachers so far, two were great, one terrible, and then there is Professor Fernando who stands above all. Very clear, didn't waste any class time, and always made sure people understood. Minimal questions were asked during lectures because he is such an effective teacher. He also tosses in some humor and keeps students engaged the entire time, even at 8:00am. I highly recommend him to anyone taking any math class.	

<b>Course:</b>	MATH2321 07 - Calculus 3 for Sci/Engr	<b>Department:</b>	MATH
<b>Responsible Faculty:</b>	Waththage Neran Fernando	<b>Responses / Expected:</b>	7 / 19 (36.84%)

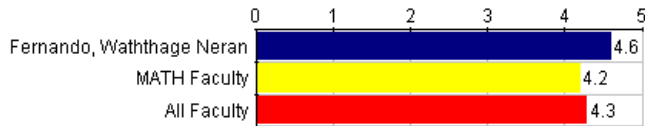
Course Questions	MATH2321 - 07							--- Survey Comparisons ---					
	Responses		Course					MATH			All		
	IWP	ICN	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q1</b> All responses are completely anonymous, and participation in the evaluation process is expected. However, you are permitted to opt out of completing this questionnaire by selecting "Opt Out."	7	0	7	2.0	2	0	0	2.7K	1.9	87	50K	1.9	80

**Responses:** [IWP] I will participate=2 [ICN] I choose not to participate=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions		Fernando, Waththage Neran										--- Survey Comparisons ---					
		Responses					Individual					MATH			All		
		SA	A	N	D	SD	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q16</b>	The instructor possessed the basic communications skills necessary to teach the course.	3	4	0	0	0	7	4.4	4	.49	.19	2.5K	4.2	64	48K	4.4	40
<b>Q17</b>	The instructor clearly communicated ideas and information.	4	3	0	0	0	7	4.6	5	.49	.19	2.5K	4.0	76	48K	4.2	63
<b>Q18</b>	The instructor clearly stated the objectives of the course.	5	2	0	0	0	7	4.7	5	.45	.17	2.5K	4.2	86	48K	4.3	77
<b>Q19</b>	The instructor covered what was stated in the course objectives and syllabus.	6	1	0	0	0	7	4.9	5	.35	.13	2.5K	4.4	93	47K	4.4	88
<b>Q20</b>	The instructor came to class prepared to teach.	7	0	0	0	0	7	5.0	5	0	0	2.5K	4.5	97	47K	4.5	95
<b>Q21</b>	The instructor used class time effectively.	5	1	0	1	0	7	4.4	5	1.05	.40	2.5K	4.3	55	47K	4.3	55
<b>Q22</b>	The instructor provided sufficient feedback.	4	3	0	0	0	7	4.6	5	.49	.19	2.5K	4.1	82	47K	4.1	75
<b>Q23</b>	The instructor fairly evaluated my performance.	4	3	0	0	0	7	4.6	5	.49	.19	2.5K	4.3	67	47K	4.2	69
<b>Q24</b>	The instructor is someone I would recommend to other students.	5	2	0	0	0	7	4.7	5	.45	.17	2.5K	4.0	82	47K	4.2	76
<b>Q25</b>	The instructor treated students with respect.	7	0	0	0	0	7	5.0	5	0	0	2.5K	4.4	98	48K	4.5	94
<b>Q26</b>	The instructor acknowledged and took effective action when students did not understand the material.	4	2	1	0	0	7	4.4	5	.73	.28	2.5K	4.1	68	47K	4.2	55
<b>Q27</b>	The instructor was available to assist students outside of class.	5	2	0	0	0	7	4.7	5	.45	.17	2.4K	4.4	81	45K	4.3	80
<b>Q28</b>	The instructor displayed enthusiasm for the course.	6	1	0	0	0	7	4.9	5	.35	.13	2.5K	4.4	90	47K	4.5	79

Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1  
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)



Graph Legend	
<span style="color: blue;">■</span>	Fernando, Waththage Neran
<span style="color: yellow;">■</span>	MATH Faculty
<span style="color: red;">■</span>	All Faculty

Instructor Questions	Fernando, Waththage Neran										--- Survey Comparisons ---															
	Responses					Individual					MATH			All												
	AAE	UE	SE	RE	NE	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk										
Q29	What is your overall rating of this instructor's teaching effectiveness?										4	3	0	0	0	7	4.6	5	.49	.19	2.5K	4.2	69	48K	4.3	58

**Responses:** [AAE] Almost Always Effective=5 [UE] Usually Effective=4 [SE] Sometimes Effective=3 [RE] Rarely Effective=2 [NE] Never Effective=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)

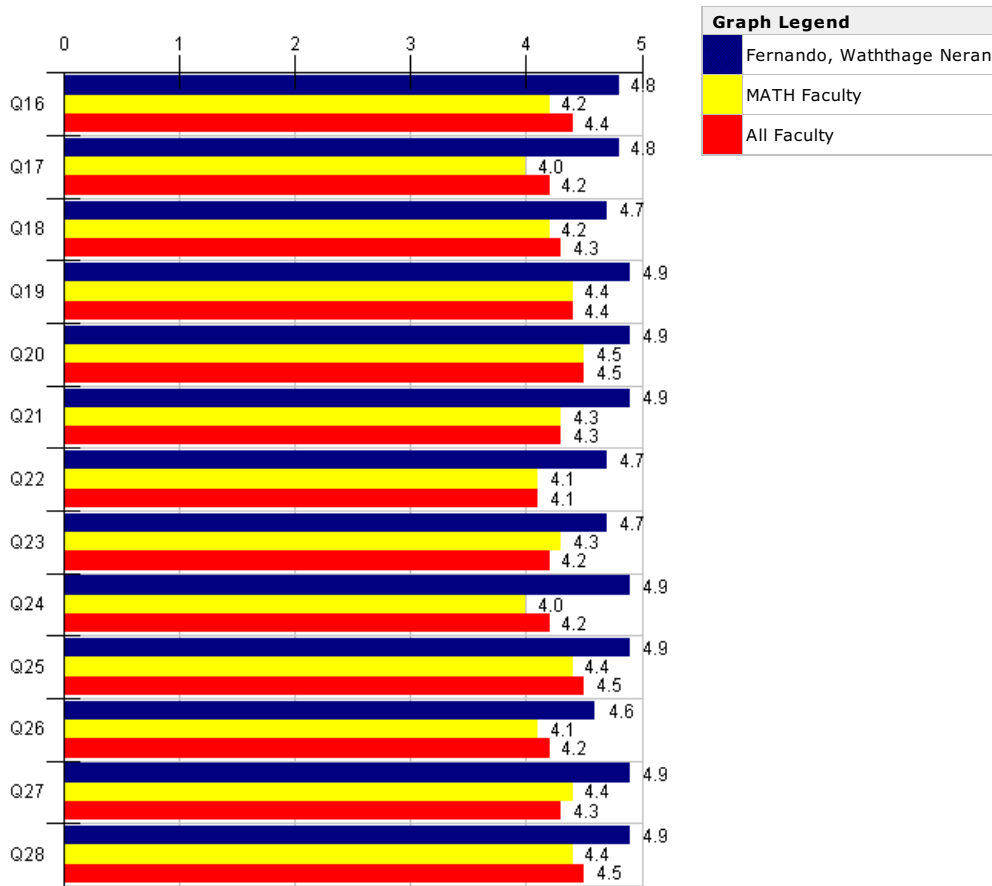
**Q30 - Describe instructor's strengths, areas for improvement, and any additional comments.**

Faculty:	Fernando, Waththage Neran	
Response Rate:	100.00% (7 of 7)	
-	Fernando is a good professor overall. He is clear in explaining concepts and principles. However, I don't think he used class time as well as he could have. Rather than trying to clearly explain a few practice problems, he would try to fit in many problems that he breezed through. He could have spent more time on fewer problems. It wasn't helpful to half-understand 10 problems. It would have been better to fully understand 5 problems. He also consistently kept us 5 minutes late, which was frustrating	
-	Professor Fernando can teach pretty fast sometimes, but if you can copy down his notes it will make sense if you take the time to look over it later. He gives really good notes	
-	Professor Fernando is a very good professor. Although the class is difficult, he made it more enjoyable. However, he went very fast. A lot of material was covered each class, and it was difficult to process it all. He would often ask us to do a problem, but would not give us enough time to finish it before he started going over the answer. Also, he would write stuff down on the board very quickly and move on to the next idea. It was hard to copy own all the notes and understand what they meant. The problem sheets did help to have extra problems to review. He was a very good professor and I would definitely recommend him.	
-	Best math teacher at NU. Fernando has a passion for math that I have never seen in anyone else. His class is fast paced but he is very good at reviewing material if needed and preparing you for any test, i.e. final. I recommend Fernando over any other math teacher I have had.	
-	The instructor was phenomenal. I truly learned a lot from him. However, I would suggest he slow his pace and try to improve on how to respond to students questions. He's very smart, but at times has difficulty empathizing with what the student does not understand. He genuinely cares about student welfare, and makes it very evident. He's aweseom!	
-	Fernando is the best. Period. His teaching style is hard to get used to at first, but then once you understand it is very consistent and easy to understand. I am going to wait an extra semester to take my next math course so that I can get him for my professor. He's the best!!	
-	He is one of the best instructors I've had so far here at Northeastern	

<b>Course:</b>	MATH2321 10 - Calculus 3 for Sci/Engr	<b>Department:</b>	MATH
<b>Responsible Faculty:</b>	Waththage Neran Fernando	<b>Responses / Expected:</b>	31 / 46 (67.39%)

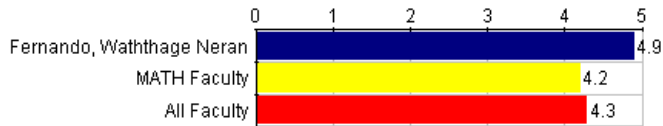
Course Questions	MATH2321 - 10							--- Survey Comparisons ---					
	Responses		Course					MATH			All		
	IWP	ICN	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q1</b> All responses are completely anonymous, and participation in the evaluation process is expected. However, you are permitted to opt out of completing this questionnaire by selecting "Opt Out."	29	2	31	1.9	2	.25	.04	2.7K	1.9	67	50K	1.9	50

**Responses:** [IWP] I will participate=2 [ICN] I choose not to participate=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions		Fernando, Waththage Neran										--- Survey Comparisons ---					
		Responses					Individual					MATH			All		
		SA	A	N	D	SD	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
Q16	The instructor possessed the basic communications skills necessary to teach the course.	24	5	0	0	0	29	4.8	5	.38	.07	2.5K	4.2	93	48K	4.4	80
Q17	The instructor clearly communicated ideas and information.	25	3	0	1	0	29	4.8	5	.61	.11	2.5K	4.0	91	48K	4.2	82
Q18	The instructor clearly stated the objectives of the course.	23	4	2	0	0	29	4.7	5	.58	.11	2.5K	4.2	88	48K	4.3	78
Q19	The instructor covered what was stated in the course objectives and syllabus.	26	3	0	0	0	29	4.9	5	.30	.06	2.5K	4.4	96	47K	4.4	91
Q20	The instructor came to class prepared to teach.	26	3	0	0	0	29	4.9	5	.30	.06	2.5K	4.5	89	47K	4.5	86
Q21	The instructor used class time effectively.	25	4	0	0	0	29	4.9	5	.34	.06	2.5K	4.3	93	47K	4.3	90
Q22	The instructor provided sufficient feedback.	22	6	0	1	0	29	4.7	5	.65	.12	2.5K	4.1	91	47K	4.1	83
Q23	The instructor fairly evaluated my performance.	22	6	0	1	0	29	4.7	5	.65	.12	2.5K	4.3	81	47K	4.2	81
Q24	The instructor is someone I would recommend to other students.	26	3	0	0	0	29	4.9	5	.30	.06	2.5K	4.0	96	47K	4.2	89
Q25	The instructor treated students with respect.	26	2	1	0	0	29	4.9	5	.43	.08	2.5K	4.4	90	48K	4.5	80
Q26	The instructor acknowledged and took effective action when students did not understand the material.	19	9	0	1	0	29	4.6	5	.67	.12	2.5K	4.1	80	47K	4.2	69
Q27	The instructor was available to assist students outside of class.	24	4	0	0	0	28	4.9	5	.35	.07	2.4K	4.4	92	45K	4.3	89
Q28	The instructor displayed enthusiasm for the course.	27	2	0	0	0	29	4.9	5	.25	.05	2.5K	4.4	97	47K	4.5	85

Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1  
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)



Graph Legend	
<span style="color: blue;">■</span>	Fernando, Waththage Neran
<span style="color: yellow;">■</span>	MATH Faculty
<span style="color: red;">■</span>	All Faculty

Instructor Questions	Fernando, Waththage Neran										--- Survey Comparisons ---					
	Responses					Individual					MATH			All		
	AAE	UE	SE	RE	NE	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
Q29	What is your overall rating of this instructor's teaching effectiveness?															
	27	2	0	0	0	29	4.9	5	.25	.05	2.5K	4.2	95	48K	4.3	89

**Responses:** [AAE] Almost Always Effective=5 [UE] Usually Effective=4 [SE] Sometimes Effective=3 [RE] Rarely Effective=2 [NE] Never Effective=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)

**Q30 - Describe instructor's strengths, areas for improvement, and any additional comments.**

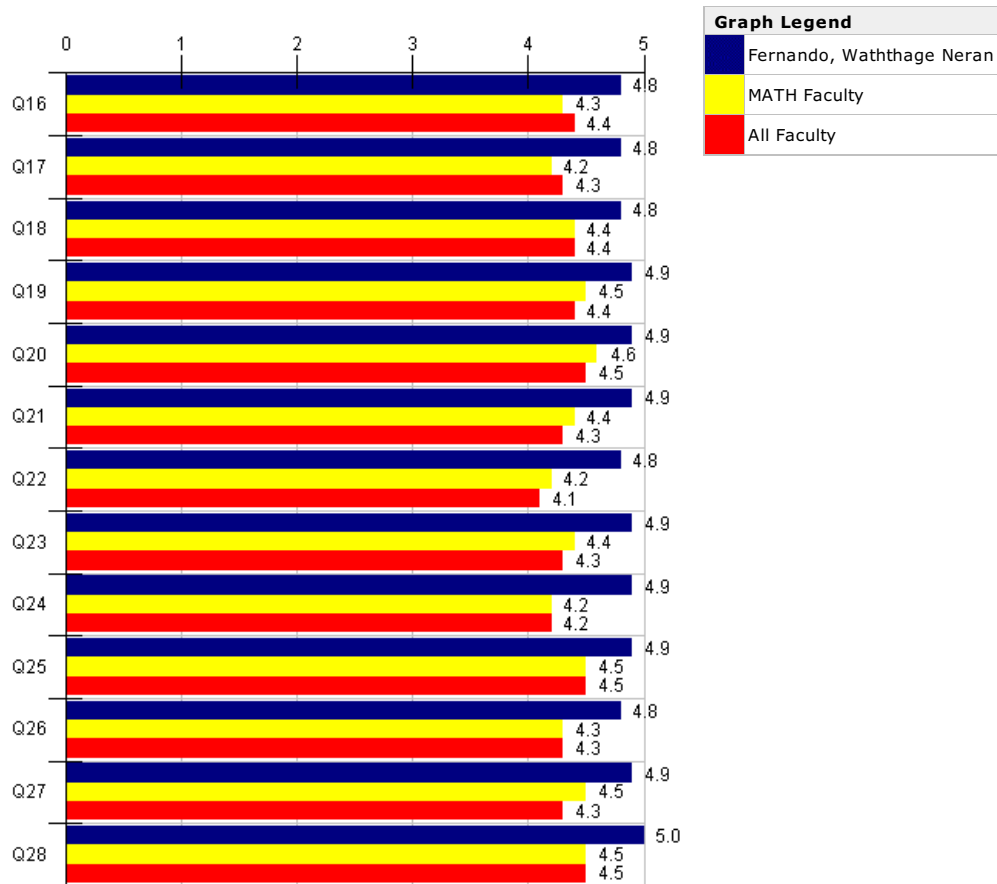
Faculty:	Fernando, Waththage Neran	
Response Rate:	45.16% (14 of 31)	
-	He was a really good teacher, but he went through some things a little quickly and did problems in his head when I wish they were written out or he showed all of his work for how he got to the answer.	
-	Excellent lecturer, held office hours generously, would definitely recommend his course	
-	One of the Best Math teachers	
-	Professor Fernando is probably the best professor I have had at Northeastern. He effectively conveys concepts and does numerous examples of problems to ensure students understand the topic. He is readily available to answer any questions and he is enthusiastic about the course material. He is also an extremely fair grader.	
-	Fernando is the best professor at Northeastern	
-	He provides problem sets for each topic covered in the class based on prior exam problems and we go through them all in class. These problem sets are incredibly helpful for initial learning and to go over when studying because they are usually more complex applications of the material (which will be on the exam). He genuinely seems invested in the learning of all of his students, he will know your name just from listening and handing back quizzes and is always willing to answer questions and help. His class environment is not one in which I feel uncomfortable asking or answering questions.	
-	The best. No better description.	
-	Fernando is the best professor I've had at Northeastern. Do NOT pass up any opportunity to take a class with him.	
-	He's the best.	
-	Best professor in NEU.	
-	Professor Fernando is an excellent teacher who I have had in the past. He loves Calculus to an incredible degree, and is one of the best teachers I have ever had. He explains the material clearly, grades fairly, and approaches the class with enthusiasm. In addition, his teaching method is fantastic, as he explains the concepts and gives excellent examples of their application.	
-	One of the best professors I've had. Fernando is a fantastic professor who is knowledgeable, excellent at communicating ideas, and an overall funny person. I wish he taught all my classes. I would strongly recommend him for future courses.	
-	Prof. Fernando did a fantastic job. He was basically always clear about what he was doing and I found his lectures to be basically all I needed to comprehend the course material. Also, the in-class problem sheets were excellent, and the way he let us work on them by ourselves before giving us every step of the solution was literally perfect.	
-	The only real criticism I have is that I've noticed that in 1-on-1 situations, either answering a question in class or during office hours, he tends to answer the question fairly quickly. As in, even though there's a confusion or question he still moves at his usual fast lecture pace, when in my experience it's better to slow down and check for understanding at each step instead of rushing through to the solution (because remember, in a 1-on-1 situation, you can feasibly check the student's understanding at every step). This is just a minor thing I noticed though and I only mention it because my impression of Prof. Fernando is that he genuinely cares about his teaching and probably tries to improve where he can.	
-	Also, I love his sense of humor, I was literally (absolute value of zero)'ing at some of those jokes. 10/10 would recommend	
-	Professor Fernando was great and was very prepared and organized for the course. The problem sheets were really helpful and he did a good job balancing the lectures and practice problems.	

<b>Course:</b>	MATH2321 04 - Calculus 3 for Sci/Engr	<b>Department:</b>	MATH
<b>Responsible Faculty:</b>	Waththage Neran Fernando	<b>Responses / Expected:</b>	21 / 34 (61.76%)

Course Questions	MATH2321 - 04							--- Survey Comparisons ---					
	Responses		Course					MATH			All		
	IWP	ICN	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q1</b> All responses are completely anonymous, and participation in the evaluation process is expected. However, you are permitted to opt out of completing this questionnaire by selecting "Opt Out."	19	2	21	1.9	2	.29	.06	1.8K	1.9	42	43K	1.9	34

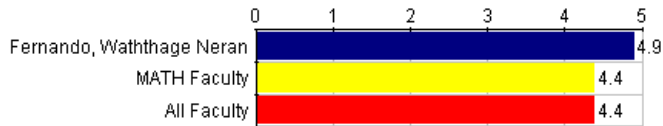
**Responses:** [IWP] I will participate=2 [ICN] I choose not to participate=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)





Instructor Questions		Fernando, Waththage Neran										--- Survey Comparisons ---					
		Responses					Individual					MATH			All		
		SA	A	N	D	SD	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q16</b>	The instructor possessed the basic communications skills necessary to teach the course.	16	3	0	0	0	<b>19</b>	<b>4.8</b>	5	.36	.08	<b>1.6K</b>	<b>4.3</b>	88	<b>40K</b>	<b>4.4</b>	80
<b>Q17</b>	The instructor clearly communicated ideas and information.	16	3	0	0	0	<b>19</b>	<b>4.8</b>	5	.36	.08	<b>1.6K</b>	<b>4.2</b>	91	<b>40K</b>	<b>4.3</b>	85
<b>Q18</b>	The instructor clearly stated the objectives of the course.	16	3	0	0	0	<b>19</b>	<b>4.8</b>	5	.36	.08	<b>1.6K</b>	<b>4.4</b>	91	<b>40K</b>	<b>4.4</b>	87
<b>Q19</b>	The instructor covered what was stated in the course objectives and syllabus.	17	2	0	0	0	<b>19</b>	<b>4.9</b>	5	.31	.07	<b>1.6K</b>	<b>4.5</b>	90	<b>40K</b>	<b>4.4</b>	89
<b>Q20</b>	The instructor came to class prepared to teach.	18	1	0	0	0	<b>19</b>	<b>4.9</b>	5	.22	.05	<b>1.6K</b>	<b>4.6</b>	88	<b>40K</b>	<b>4.5</b>	87
<b>Q21</b>	The instructor used class time effectively.	18	1	0	0	0	<b>19</b>	<b>4.9</b>	5	.22	.05	<b>1.6K</b>	<b>4.4</b>	88	<b>40K</b>	<b>4.3</b>	91
<b>Q22</b>	The instructor provided sufficient feedback.	16	3	0	0	0	<b>19</b>	<b>4.8</b>	5	.36	.08	<b>1.6K</b>	<b>4.2</b>	93	<b>40K</b>	<b>4.1</b>	90
<b>Q23</b>	The instructor fairly evaluated my performance.	17	2	0	0	0	<b>19</b>	<b>4.9</b>	5	.31	.07	<b>1.6K</b>	<b>4.4</b>	94	<b>40K</b>	<b>4.3</b>	91
<b>Q24</b>	The instructor is someone I would recommend to other students.	18	1	0	0	0	<b>19</b>	<b>4.9</b>	5	.22	.05	<b>1.6K</b>	<b>4.2</b>	93	<b>40K</b>	<b>4.2</b>	89
<b>Q25</b>	The instructor treated students with respect.	17	2	0	0	0	<b>19</b>	<b>4.9</b>	5	.31	.07	<b>1.6K</b>	<b>4.5</b>	89	<b>40K</b>	<b>4.5</b>	82
<b>Q26</b>	The instructor acknowledged and took effective action when students did not understand the material.	16	3	0	0	0	<b>19</b>	<b>4.8</b>	5	.36	.08	<b>1.6K</b>	<b>4.3</b>	94	<b>40K</b>	<b>4.3</b>	88
<b>Q27</b>	The instructor was available to assist students outside of class.	17	2	0	0	0	<b>19</b>	<b>4.9</b>	5	.31	.07	<b>1.6K</b>	<b>4.5</b>	94	<b>39K</b>	<b>4.3</b>	91
<b>Q28</b>	The instructor displayed enthusiasm for the course.	19	0	0	0	0	<b>19</b>	<b>5.0</b>	5	0	0	<b>1.6K</b>	<b>4.5</b>	96	<b>40K</b>	<b>4.5</b>	93

Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1  
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)



Graph Legend	
<span style="color: blue;">■</span>	Fernando, Waththage Neran
<span style="color: yellow;">■</span>	MATH Faculty
<span style="color: red;">■</span>	All Faculty

Instructor Questions	Fernando, Waththage Neran										--- Survey Comparisons ---															
	Responses					Individual					MATH			All												
	AAE	UE	SE	RE	NE	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk										
Q29	What is your overall rating of this instructor's teaching effectiveness?										18	1	0	0	0	19	4.9	5	.22	.05	1.6K	4.4	90	41K	4.4	87

**Responses:** [AAE] Almost Always Effective=5 [UE] Usually Effective=4 [SE] Sometimes Effective=3 [RE] Rarely Effective=2 [NE] Never Effective=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)

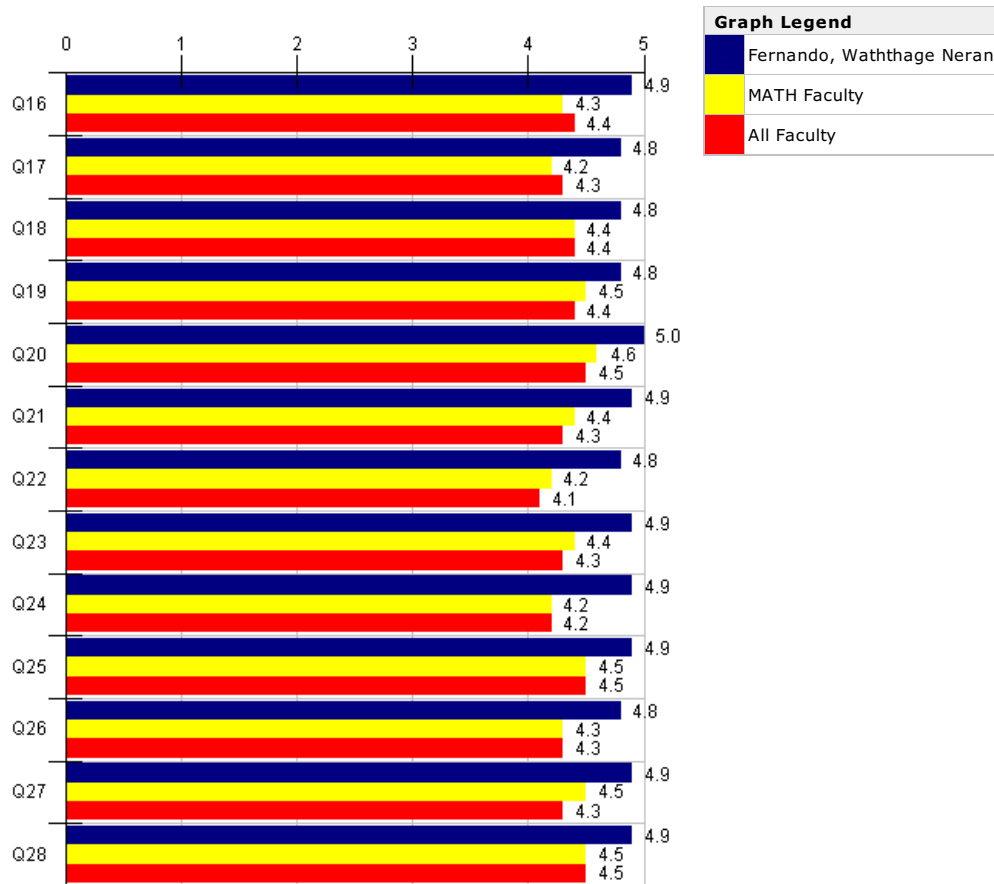
**Q30 - Describe instructor's strengths, areas for improvement, and any additional comments.**

Faculty:	Fernando, Waththage Neran	
Response Rate:	33.33% (7 of 21)	
-	I LOVED professor Fernando as a calc 3 and calc 1 professor. He made a very frustrating and difficult subject both bearable and as understandable as possible. You can tell he has the students best interests at heart and that he also understands the difficulty of his subjects. I cannot say enough times that he is a BRILLIANT professor and I would INSIST anyone who has to take a class offered by him that they change their whole schedule around to take it with him. Prof Fernando deserves all the praise in the world and a raise and the keys to the city and..... etc etc. Thank you Prof. Fernando!	
-	This is undeniably the best professor I have had this first year at college.	
-	Professor Fernando is one of the most articulate, friendly, and helpful teachers I've ever had. He explains the concepts clearly enough that I can understand the material the first time and always engages with the class to make what's usually a dry subject more fun. He also makes the effort to learn everyones names which I really appreciate as well. Definitely would take his class again.	
-	One of the best professors I have had; very eager to teach the subject and knows what he is talking about; goes into great detail to explain the concepts and provides very flexible office hours for extra assistance	
-	Fernando was the BEST! Possibly one of the best professors at Northeastern. He knew his material very very well. He was very concise in his notes and his explanations were very clear. He was always very willing to answer questions. His horrible jokes told in class were always a great source of entertainment. He was also incredibly helpful during his office hours.	
-	Prof. Fernando is probably the best math professor in the entire University. As a student who failed out of multivariable calc in high school and then withdrew from it my previous semester to avoid a failing grade, Prof. Fernando pretty much saved my life. Calc 3 is such a difficult subject but he makes it so much more fun and easy to understand - and his office hours are SUPER helpful. Also, he posts SO much helpful stuff on blackboard - tons of practice exams, solutions to quizzes and tests, problem sheets, etc. HIGHLY recommend him, especially if you think this will be a difficult class for you (which it is for the majority of students).	
-	I would highly recommend Professor Fernando to anyone looking to take MATH 2321 class. His teaching style is straightforward, intuitive, and easy to understand in lectures. He also gives quizzes that are based on the topics learned in class and the homework, which helps to reinforce key concepts and prepare for exams. Also, he makes class fun and interesting by mixing in subtle humor with the lessons, making class engaging and an enjoyable place to be. He is very helpful to talk to, and takes the time to answer any question during or outside of lecture that students may have on course material. Overall, I would highly recommend him!	

<b>Course:</b>	MATH2321 06 - Calculus 3 for Sci/Engr	<b>Department:</b>	MATH
<b>Responsible Faculty:</b>	Waththage Neran Fernando	<b>Responses / Expected:</b>	23 / 34 (67.65%)

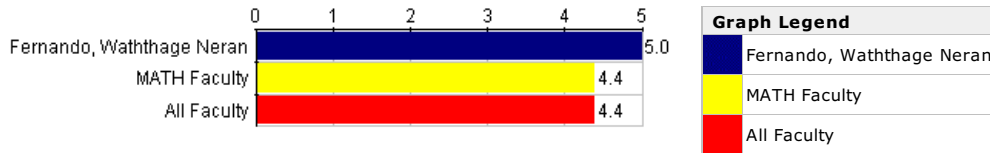
Course Questions		MATH2321 - 06							--- Survey Comparisons ---					
		Responses		Course					MATH			All		
		IWP	ICN	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q1</b>	All responses are completely anonymous, and participation in the evaluation process is expected. However, you are permitted to opt out of completing this questionnaire by selecting "Opt Out."	23	0	23	2.0	2	0	0	1.8K	1.9	88	43K	1.9	77

**Responses:** [IWP] I will participate=2 [ICN] I choose not to participate=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions		Fernando, Waththage Neran										--- Survey Comparisons ---					
		Responses					Individual					MATH			All		
		SA	A	N	D	SD	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
Q16	The instructor possessed the basic communications skills necessary to teach the course.	19	3	0	0	0	22	4.9	5	.34	.07	1.6K	4.3	90	40K	4.4	81
Q17	The instructor clearly communicated ideas and information.	18	4	0	0	0	22	4.8	5	.39	.08	1.6K	4.2	89	40K	4.3	83
Q18	The instructor clearly stated the objectives of the course.	17	5	0	0	0	22	4.8	5	.42	.09	1.6K	4.4	86	40K	4.4	80
Q19	The instructor covered what was stated in the course objectives and syllabus.	18	4	0	0	0	22	4.8	5	.39	.08	1.6K	4.5	84	40K	4.4	83
Q20	The instructor came to class prepared to teach.	21	1	0	0	0	22	5.0	5	.21	.04	1.6K	4.6	88	40K	4.5	87
Q21	The instructor used class time effectively.	20	2	0	0	0	22	4.9	5	.29	.06	1.6K	4.4	87	40K	4.3	90
Q22	The instructor provided sufficient feedback.	18	4	0	0	0	22	4.8	5	.39	.08	1.6K	4.2	92	40K	4.1	89
Q23	The instructor fairly evaluated my performance.	19	3	0	0	0	22	4.9	5	.34	.07	1.6K	4.4	92	40K	4.3	89
Q24	The instructor is someone I would recommend to other students.	19	3	0	0	0	22	4.9	5	.34	.07	1.6K	4.2	90	40K	4.2	85
Q25	The instructor treated students with respect.	19	3	0	0	0	22	4.9	5	.34	.07	1.6K	4.5	86	40K	4.5	78
Q26	The instructor acknowledged and took effective action when students did not understand the material.	18	4	0	0	0	22	4.8	5	.39	.08	1.6K	4.3	92	40K	4.3	86
Q27	The instructor was available to assist students outside of class.	19	3	0	0	0	22	4.9	5	.34	.07	1.6K	4.5	93	39K	4.3	89
Q28	The instructor displayed enthusiasm for the course.	20	2	0	0	0	22	4.9	5	.29	.06	1.6K	4.5	88	40K	4.5	82

Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1  
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions	Fernando, Waththage Neran										--- Survey Comparisons ---					
	Responses					Individual					MATH			All		
	AAE	UE	SE	RE	NE	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
Q29	What is your overall rating of this instructor's teaching effectiveness?															
	22	1	0	0	0	23	5.0	5	.20	.04	1.6K	4.4	91	41K	4.4	87

**Responses:** [AAE] Almost Always Effective=5 [UE] Usually Effective=4 [SE] Sometimes Effective=3 [RE] Rarely Effective=2 [NE] Never Effective=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)

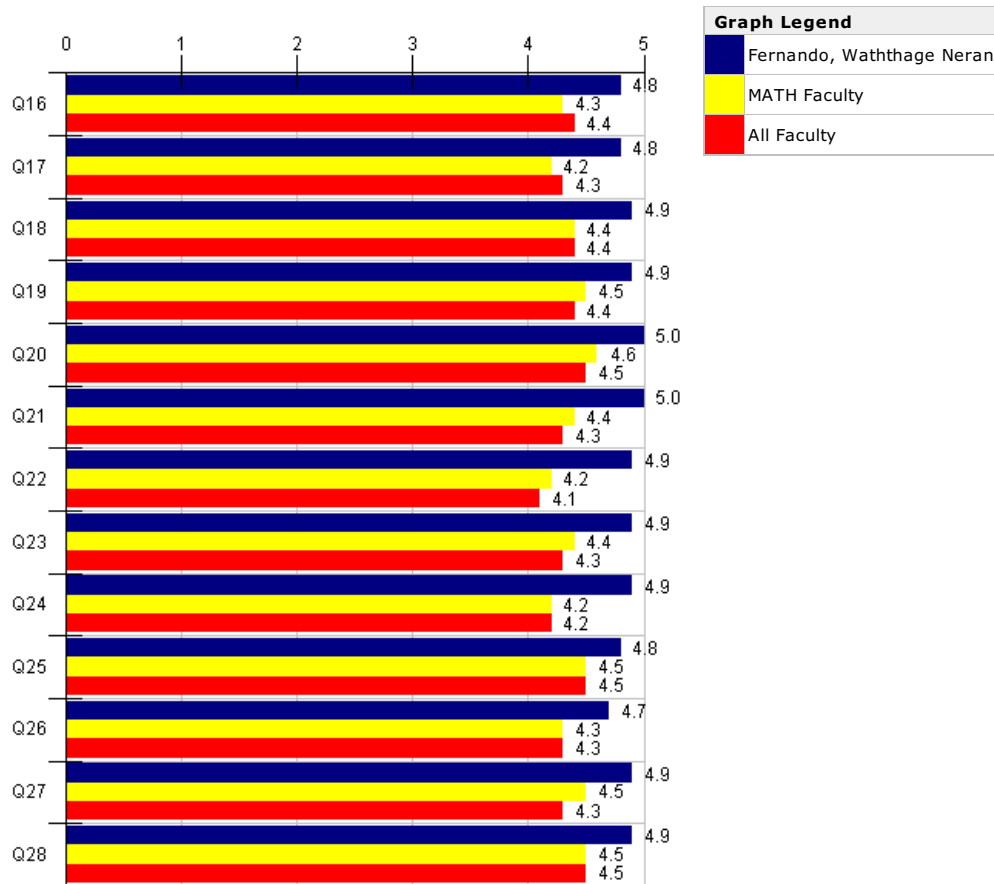
**Q30 - Describe instructor's strengths, areas for improvement, and any additional comments.**

Faculty:	Fernando, Waththage Neran	
Response Rate:	65.22% (15 of 23)	
-	Thank you for making me want to learn calculus and trying my best	
-	Fernando is the best teacher that I have had in my entire life. Calc 3 is a difficult course and he knows how to explain it in a way that we understand it. He is the only teacher that I have had in Northeastern that actually cares about his students. He offers an extremely amount of office hours to make sure that we can all use extra help if we want to. And he is an incredible person. Strongly recommended. He should win an award for best teacher.	
-	Prof Fernando was the best math professor I have had at NU so far. He explained the concepts well and was willing to help if you still had questions. He was also great at preparing us for the exams and final, the problem sheets were especially helpful. Awesome professor overall, I highly recommend him!	
-	he was the BEST professor i have ever had. Always able to help students out, really good at explaining the material. He was not only a good professor but a good person who cares about his students. I definitely recommend him to EVERYONE who has to take this class.	
-	Great prof, loved the course	
-	Great professor. Definitely one of the best ones I have had at Northeastern thus far. Fernando did a very good job at teaching the material and providing sufficient examples to really help us understand the concepts.	
-	Tough class, very helpful professor and wants students to do well.	
-	One of the best professors I've had at Northeastern.	
-	This instructor is my favorite so far at Northeastern. He presented the material clearly, was more than happy to repeat himself to students who did not understand, and displayed an enthusiasm that I have not seen from any of my other professors. The only thing I would suggest to improve would be more work done outside class, as there is no enforced homework.	
-	TAKE THIS CLASS WITH FERNANDO, HE IS AN INCREDIBLE TEACHER. I cannot imagine being in a different section with someone else teaching. Professor Fernando is one of the best instructors ever. He is so enthusiastic and educated, he's a fair grader and ended up dropping our 3 lowest quiz grades. His accent is definitely noticeable, but there was never a point where I couldn't understand him because of it. He is so kind, and he's always making jokes in class and trying to make this tedious subject more fun for us. I wish I could take every math class with him as the instructor.	
-	Fernando is a smart guy who knows how to explain things when the class doesn't understand what's going on, so if you don't know something, speak up. He can be quick with the material at times with erasing what's on the board. He's also a very funny guy and makes jokes about our how we're going to remember everything after the final or math jokes in general. In the end, there's no reason not to have him as a prof.	
-	One of the best professor's at the university. Professor Fernando conveyed the material in an understandable way and was very willing to help students outside of class. I would highly recommend him.	
-	There really aren't enough good things to say about Prof. Fernando: on top of being a very genuinely nice guy, he proved to be a really effective teacher. His pace was generally a good one, he was always willing to stop and explain, and he really cared about making sure everyone in the class understood what he was trying to convey. As a bonus, he's also a fairly generous grader. I would take another class with him in a heartbeat, he made Calc 3 a really good experience that I think other students at the university missed out on.	
-	LETS GOO NERAN!	
-	Professor Fernando uses lots of practice problems in class, which really help solidify the student's understanding of the lecture material. He is always available for extra help and is very invested in his students' success. My only suggestion would be providing slightly more extensive notes before jumping into practice problems.	

<b>Course:</b>	MATH1342 01 - Calculus 2 for Sci/Engr	<b>Department:</b>	MATH
<b>Responsible Faculty:</b>	Waththage Neran Fernando	<b>Responses / Expected:</b>	21 / 47 (44.68%)

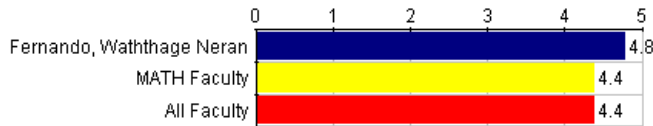
Course Questions	MATH1342 - 01							--- Survey Comparisons ---					
	Responses		Course					MATH			All		
	IWP	ICN	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q1</b> All responses are completely anonymous, and participation in the evaluation process is expected. However, you are permitted to opt out of completing this questionnaire by selecting "Opt Out."	19	2	21	1.9	2	.29	.06	1.8K	1.9	42	43K	1.9	34

**Responses:** [IWP] I will participate=2 [ICN] I choose not to participate=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions		Fernando, Waththage Neran										--- Survey Comparisons ---					
		Responses					Individual					MATH			All		
		SA	A	N	D	SD	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q16</b>	The instructor possessed the basic communications skills necessary to teach the course.	16	3	0	0	0	<b>19</b>	<b>4.8</b>	5	.36	.08	<b>1.6K</b>	<b>4.3</b>	88	<b>40K</b>	<b>4.4</b>	80
<b>Q17</b>	The instructor clearly communicated ideas and information.	16	3	0	0	0	<b>19</b>	<b>4.8</b>	5	.36	.08	<b>1.6K</b>	<b>4.2</b>	91	<b>40K</b>	<b>4.3</b>	85
<b>Q18</b>	The instructor clearly stated the objectives of the course.	17	2	0	0	0	<b>19</b>	<b>4.9</b>	5	.31	.07	<b>1.6K</b>	<b>4.4</b>	92	<b>40K</b>	<b>4.4</b>	90
<b>Q19</b>	The instructor covered what was stated in the course objectives and syllabus.	18	1	0	0	0	<b>19</b>	<b>4.9</b>	5	.22	.05	<b>1.6K</b>	<b>4.5</b>	92	<b>40K</b>	<b>4.4</b>	91
<b>Q20</b>	The instructor came to class prepared to teach.	19	0	0	0	0	<b>19</b>	<b>5.0</b>	5	0	0	<b>1.6K</b>	<b>4.6</b>	95	<b>40K</b>	<b>4.5</b>	94
<b>Q21</b>	The instructor used class time effectively.	19	0	0	0	0	<b>19</b>	<b>5.0</b>	5	0	0	<b>1.6K</b>	<b>4.4</b>	95	<b>40K</b>	<b>4.3</b>	95
<b>Q22</b>	The instructor provided sufficient feedback.	16	2	0	0	0	<b>18</b>	<b>4.9</b>	5	.31	.07	<b>1.6K</b>	<b>4.2</b>	95	<b>40K</b>	<b>4.1</b>	92
<b>Q23</b>	The instructor fairly evaluated my performance.	17	2	0	0	0	<b>19</b>	<b>4.9</b>	5	.31	.07	<b>1.6K</b>	<b>4.4</b>	94	<b>40K</b>	<b>4.3</b>	91
<b>Q24</b>	The instructor is someone I would recommend to other students.	18	1	0	0	0	<b>19</b>	<b>4.9</b>	5	.22	.05	<b>1.6K</b>	<b>4.2</b>	93	<b>40K</b>	<b>4.2</b>	89
<b>Q25</b>	The instructor treated students with respect.	16	3	0	0	0	<b>19</b>	<b>4.8</b>	5	.36	.08	<b>1.6K</b>	<b>4.5</b>	82	<b>40K</b>	<b>4.5</b>	76
<b>Q26</b>	The instructor acknowledged and took effective action when students did not understand the material.	14	4	1	0	0	<b>19</b>	<b>4.7</b>	5	.57	.13	<b>1.6K</b>	<b>4.3</b>	80	<b>40K</b>	<b>4.3</b>	76
<b>Q27</b>	The instructor was available to assist students outside of class.	17	1	0	0	0	<b>18</b>	<b>4.9</b>	5	.23	.05	<b>1.6K</b>	<b>4.5</b>	95	<b>39K</b>	<b>4.3</b>	92
<b>Q28</b>	The instructor displayed enthusiasm for the course.	18	1	0	0	0	<b>19</b>	<b>4.9</b>	5	.22	.05	<b>1.6K</b>	<b>4.5</b>	92	<b>40K</b>	<b>4.5</b>	85

Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1  
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)



Graph Legend	
<span style="color: blue;">■</span>	Fernando, Waththage Neran
<span style="color: yellow;">■</span>	MATH Faculty
<span style="color: red;">■</span>	All Faculty

Instructor Questions	Fernando, Waththage Neran											--- Survey Comparisons ---					
	Responses					Individual						MATH			All		
	AAE	UE	SE	RE	NE	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk	
Q29	What is your overall rating of this instructor's teaching effectiveness?																
	16	3	0	0	0	19	4.8	5	.36	.08	1.6K	4.4	85	41K	4.4	80	

**Responses:** [AAE] Almost Always Effective=5 [UE] Usually Effective=4 [SE] Sometimes Effective=3 [RE] Rarely Effective=2 [NE] Never Effective=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)

**Q30 - Describe instructor's strengths, areas for improvement, and any additional comments.**

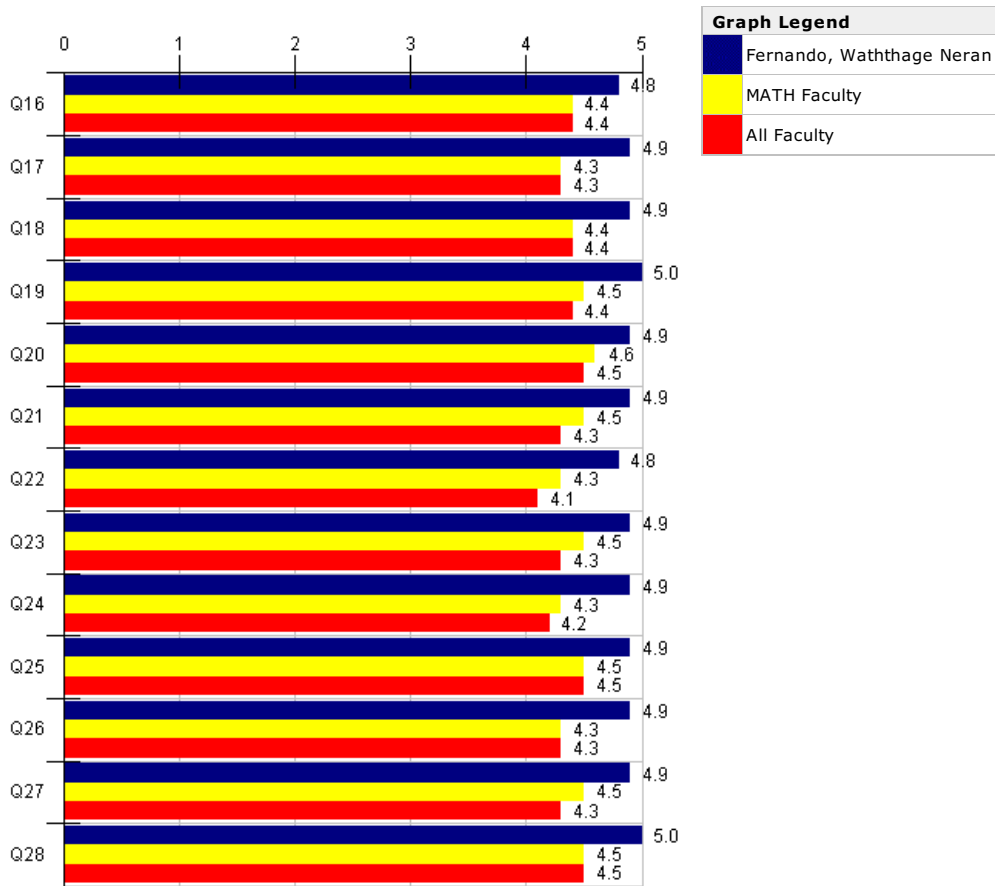
Faculty:	Fernando, Waththage Neran
Response Rate:	42.86% (9 of 21)
-	Instructor had the best jokes.
-	He was fantastic! This class was very hard but he worked hard to make sure it was understandable. He was willing to answer questions and help in any way possible. He was an absolutely fantastic teacher and I highly recommend him to others!
-	Fernando is a serious professor who really wants to help students learn. While the course is challenging, Professor Fernando is a very kind and approachable teacher, always ready to help a student learn.
-	Super effective teacher, loves helping anyone who needs it, and is very passionate about math. You can tell he knows the material well and puts in work to articulate the difficult concepts for his students. Really cares how we do and is always ready for class.
-	Hands down one of the best professors I've had to date, very effective in explaining concepts clearly and making sure students understand. There's a lot of material in Calc 2, and Professor Fernando was definitely understanding of that. Highly recommended!
-	One of the best teachers I have had. He is very enthusiastic and provides a lot of review materials for quizzes and tests.
-	Prof Fernando is one of the most incredible math teachers I've ever had the pleasure to have instruct me. His clear succinct way he talks about the methods and theories are both enthusiastic and easily understood. With this class being of a more difficult level, he hit the core points needed to understand the material and correlate it to the world outside the classroom. Not only is he a great teacher who loves to see his students succeed, his personality also greatly bleeds through to the classroom. He regularly makes jokes and gets his class to participate by putting everyone in a comfortable atmosphere. His quizzes and exams are pretty standard and fair as long as you put in the amount of work expected of you: doing the homework, studying the examples from class, etc. There were no surprises and I usually felt pretty confident in my ability to do well on each exam. Some of the downsides of having a such great teacher are having him sometimes speed through the material, which makes the students only have enough time to write everything down, not really grasping the concepts until in-class examples are done, or studying later. To combat this through, Fernando usually doesn't wait to see if people understand some of the smaller steps; if he sees confusion on a student's face, he immediately asks if they understand, and then explains the area anyway- no matter what their answer might be. I really enjoyed learning in this class, and I hope to have him as my teacher in future courses.
-	Great professor! I would definitely recommend for others looking to take Calculus 2!
-	1 part good humor, 3 parts teaching skill, and about 10 parts pure math knowledge. Learning from him was easy, which is not something I can say for many of my other professors.



<b>Course:</b>	MATH1341 01 - Calculus 1 for Sci/Engr	<b>Department:</b>	MATH
<b>Responsible Faculty:</b>	Waththage Neran Fernando	<b>Responses / Expected:</b>	24 / 47 (51.06%)

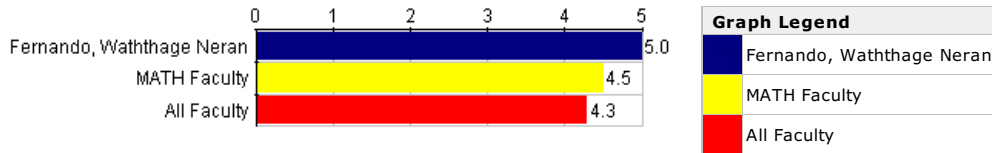
Course Questions		MATH1341 - 01							--- Survey Comparisons ---					
		Responses		Course					MATH			All		
		IWP	ICN	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q1</b>	All responses are completely anonymous, and participation in the evaluation process is expected. However, you are permitted to opt out of completing this questionnaire by selecting "Opt Out."	18	6	24	1.8	2	.43	.09	1.8K	1.9	13	42K	1.9	13

**Responses:** [IWP] I will participate=2 [ICN] I choose not to participate=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions		Fernando, Waththage Neran										--- Survey Comparisons ---					
		Responses					Individual					MATH			All		
		SA	A	N	D	SD	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q16</b>	The instructor possessed the basic communications skills necessary to teach the course.	15	3	0	0	0	<b>18</b>	<b>4.8</b>	5	.37	.09	<b>1.6K</b>	<b>4.4</b>	90	<b>40K</b>	<b>4.4</b>	81
<b>Q17</b>	The instructor clearly communicated ideas and information.	16	2	0	0	0	<b>18</b>	<b>4.9</b>	5	.31	.07	<b>1.6K</b>	<b>4.3</b>	93	<b>40K</b>	<b>4.3</b>	90
<b>Q18</b>	The instructor clearly stated the objectives of the course.	16	2	0	0	0	<b>18</b>	<b>4.9</b>	5	.31	.07	<b>1.6K</b>	<b>4.4</b>	94	<b>40K</b>	<b>4.4</b>	91
<b>Q19</b>	The instructor covered what was stated in the course objectives and syllabus.	18	0	0	0	0	<b>18</b>	<b>5.0</b>	5	0	0	<b>1.6K</b>	<b>4.5</b>	97	<b>39K</b>	<b>4.4</b>	96
<b>Q20</b>	The instructor came to class prepared to teach.	17	1	0	0	0	<b>18</b>	<b>4.9</b>	5	.23	.05	<b>1.6K</b>	<b>4.6</b>	92	<b>39K</b>	<b>4.5</b>	88
<b>Q21</b>	The instructor used class time effectively.	17	1	0	0	0	<b>18</b>	<b>4.9</b>	5	.23	.05	<b>1.6K</b>	<b>4.5</b>	96	<b>39K</b>	<b>4.3</b>	92
<b>Q22</b>	The instructor provided sufficient feedback.	15	3	0	0	0	<b>18</b>	<b>4.8</b>	5	.37	.09	<b>1.6K</b>	<b>4.3</b>	95	<b>39K</b>	<b>4.1</b>	91
<b>Q23</b>	The instructor fairly evaluated my performance.	17	1	0	0	0	<b>18</b>	<b>4.9</b>	5	.23	.05	<b>1.6K</b>	<b>4.5</b>	94	<b>39K</b>	<b>4.3</b>	93
<b>Q24</b>	The instructor is someone I would recommend to other students.	16	1	0	0	0	<b>17</b>	<b>4.9</b>	5	.24	.06	<b>1.6K</b>	<b>4.3</b>	92	<b>40K</b>	<b>4.2</b>	90
<b>Q25</b>	The instructor treated students with respect.	17	1	0	0	0	<b>18</b>	<b>4.9</b>	5	.23	.05	<b>1.6K</b>	<b>4.5</b>	92	<b>40K</b>	<b>4.5</b>	87
<b>Q26</b>	The instructor acknowledged and took effective action when students did not understand the material.	16	2	0	0	0	<b>18</b>	<b>4.9</b>	5	.31	.07	<b>1.6K</b>	<b>4.3</b>	94	<b>39K</b>	<b>4.3</b>	91
<b>Q27</b>	The instructor was available to assist students outside of class.	16	2	0	0	0	<b>18</b>	<b>4.9</b>	5	.31	.07	<b>1.6K</b>	<b>4.5</b>	90	<b>38K</b>	<b>4.3</b>	92
<b>Q28</b>	The instructor displayed enthusiasm for the course.	18	0	0	0	0	<b>18</b>	<b>5.0</b>	5	0	0	<b>1.6K</b>	<b>4.5</b>	96	<b>40K</b>	<b>4.5</b>	93

**Responses:** [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions	Fernando, Waththage Neran										--- Survey Comparisons ---															
	Responses					Individual					MATH			All												
	AAE	UE	SE	RE	NE	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk										
Q29	What is your overall rating of this instructor's teaching effectiveness?										18	0	0	0	0	18	5.0	5	0	0	1.6K	4.5	95	40K	4.3	95

**Responses:** [AAE] Almost Always Effective=5 [UE] Usually Effective=4 [SE] Sometimes Effective=3 [RE] Rarely Effective=2 [NE] Never Effective=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)

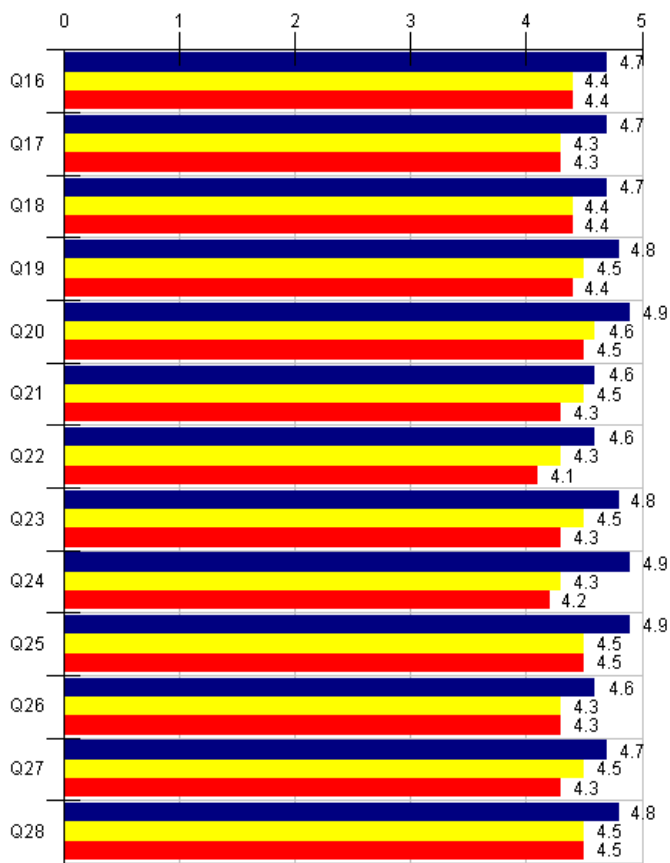
**Q30 - Describe instructor's strengths, areas for improvement, and any additional comments.**

Faculty:	Fernando, Waththage Neran	
Response Rate:	41.67% (10 of 24)	
-	As good as it gets for a calculus professor	
-	Waththage Neran Fernando is the best teacher ever. His teaching style is a bit fast, but he goes through lots of examples so you understand the content. I have never learned anything better than I have in this class. I would highly recommend taking any class taught by him.	
-	The instructor is the best I have ever had, his teaching methods are awesome and very effective.	
-	Best professor in the history of mankind.	
-	He is a great professor, always willing to teach and help us out with problems. Great sense of humor that makes the class a much more fun environment. Everyone loves the class.	
-	Congratulations!	
-	Funny guy, really loves math and is a fun teacher.	
-	He is the best!	
-	Professor Fernando is one of, if not the best professor I've ever had. He moves at a quick pace, but his teaching is so clear that it is easy to follow. He spends lots of times doing examples and answering questions. He even occasionally throws in some humor or anecdotes. He is 100% competent and always appears to teach properly. The tests and quizzes are fair. I would recommend this professor to anyone.	
-	Calculus is a challenging subject in its own matter, but the professor really made the class enjoyable and entertaining while learning the harsh subject. I've dropped this class many times and I can say for myself that this is probably one of my most successful attempts. I didn't need to drop the class because the professor knew how to teach!	
-	He is the best. I wish I could take every math class with him	

<b>Course:</b>	MATH1341 02 - Calculus 1 for Sci/Engr	<b>Department:</b>	MATH
<b>Responsible Faculty:</b>	Waththage Neran Fernando	<b>Responses / Expected:</b>	19 / 36 (52.78%)

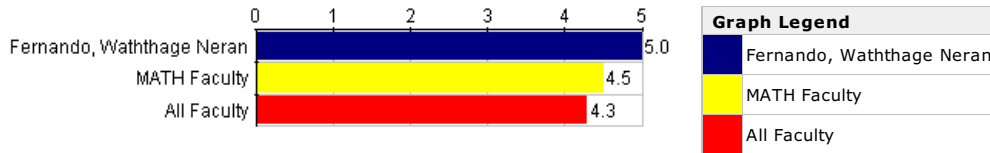
Course Questions		MATH1341 - 02						--- Survey Comparisons ---						
		Responses		Course				MATH			All			
		IWP	ICN	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q1</b>	All responses are completely anonymous, and participation in the evaluation process is expected. However, you are permitted to opt out of completing this questionnaire by selecting "Opt Out."	17	2	19	1.9	2	.31	.07	1.8K	1.9	51	42K	1.9	37

**Responses:** [IWP] I will participate=2 [ICN] I choose not to participate=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions		Fernando, Waththage Neran										--- Survey Comparisons ---					
		Responses					Individual					MATH			All		
		SA	A	N	D	SD	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q16</b>	The instructor possessed the basic communications skills necessary to teach the course.	12	5	0	0	0	<b>17</b>	<b>4.7</b>	5	.46	.11	<b>1.6K</b>	<b>4.4</b>	76	<b>40K</b>	<b>4.4</b>	68
<b>Q17</b>	The instructor clearly communicated ideas and information.	12	5	0	0	0	<b>17</b>	<b>4.7</b>	5	.46	.11	<b>1.6K</b>	<b>4.3</b>	80	<b>40K</b>	<b>4.3</b>	76
<b>Q18</b>	The instructor clearly stated the objectives of the course.	12	5	0	0	0	<b>17</b>	<b>4.7</b>	5	.46	.11	<b>1.6K</b>	<b>4.4</b>	80	<b>40K</b>	<b>4.4</b>	77
<b>Q19</b>	The instructor covered what was stated in the course objectives and syllabus.	14	3	0	0	0	<b>17</b>	<b>4.8</b>	5	.38	.09	<b>1.6K</b>	<b>4.5</b>	85	<b>39K</b>	<b>4.4</b>	85
<b>Q20</b>	The instructor came to class prepared to teach.	16	1	0	0	0	<b>17</b>	<b>4.9</b>	5	.24	.06	<b>1.6K</b>	<b>4.6</b>	92	<b>39K</b>	<b>4.5</b>	88
<b>Q21</b>	The instructor used class time effectively.	13	3	0	1	0	<b>17</b>	<b>4.6</b>	5	.76	.18	<b>1.6K</b>	<b>4.5</b>	62	<b>39K</b>	<b>4.3</b>	73
<b>Q22</b>	The instructor provided sufficient feedback.	12	4	1	0	0	<b>17</b>	<b>4.6</b>	5	.59	.14	<b>1.6K</b>	<b>4.3</b>	83	<b>39K</b>	<b>4.1</b>	79
<b>Q23</b>	The instructor fairly evaluated my performance.	14	3	0	0	0	<b>17</b>	<b>4.8</b>	5	.38	.09	<b>1.6K</b>	<b>4.5</b>	89	<b>39K</b>	<b>4.3</b>	89
<b>Q24</b>	The instructor is someone I would recommend to other students.	15	2	0	0	0	<b>17</b>	<b>4.9</b>	5	.32	.08	<b>1.6K</b>	<b>4.3</b>	88	<b>40K</b>	<b>4.2</b>	88
<b>Q25</b>	The instructor treated students with respect.	15	2	0	0	0	<b>17</b>	<b>4.9</b>	5	.32	.08	<b>1.6K</b>	<b>4.5</b>	88	<b>40K</b>	<b>4.5</b>	83
<b>Q26</b>	The instructor acknowledged and took effective action when students did not understand the material.	12	4	0	1	0	<b>17</b>	<b>4.6</b>	5	.77	.19	<b>1.6K</b>	<b>4.3</b>	65	<b>39K</b>	<b>4.3</b>	69
<b>Q27</b>	The instructor was available to assist students outside of class.	13	3	1	0	0	<b>17</b>	<b>4.7</b>	5	.57	.14	<b>1.6K</b>	<b>4.5</b>	75	<b>38K</b>	<b>4.3</b>	79
<b>Q28</b>	The instructor displayed enthusiasm for the course.	14	3	0	0	0	<b>17</b>	<b>4.8</b>	5	.38	.09	<b>1.6K</b>	<b>4.5</b>	78	<b>40K</b>	<b>4.5</b>	74

Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1  
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions	Fernando, Waththage Neran										--- Survey Comparisons ---					
	Responses					Individual					MATH			All		
	AAE	UE	SE	RE	NE	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
Q29	What is your overall rating of this instructor's teaching effectiveness?															
	17	0	0	0	0	17	5.0	5	0	0	1.6K	4.5	95	40K	4.3	95

**Responses:** [AAE] Almost Always Effective=5 [UE] Usually Effective=4 [SE] Sometimes Effective=3 [RE] Rarely Effective=2 [NE] Never Effective=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)

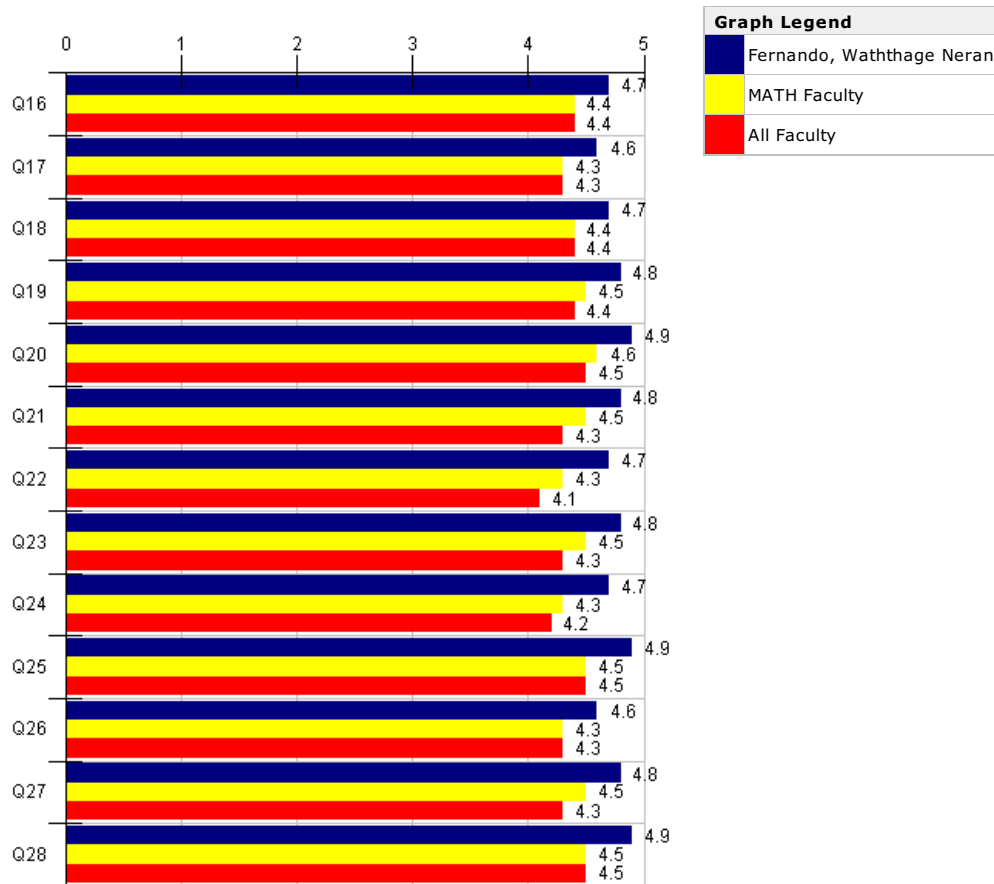
**Q30 - Describe instructor's strengths, areas for improvement, and any additional comments.**

Faculty:	Fernando, Waththage Neran
Response Rate:	36.84% (7 of 19)
-	Amazing professor overall, very friendly and enthusiastic. Dry sense of humor felt a little uncomfortable at times (lots of jokes about failing students), but kept the course interesting. One minor quibble - we'd always stay past class time, which was inconvenient and stressful for my schedule. The end of class should signal stopping class, not starting to wrap up the current lesson.
-	Really enjoyed working with this professor! Very enthusiastic and always with a positive attitude. Always there for help. He is very clear and I would definitely recommend.
-	Absolutely the best math professor I have ever had
-	prof. fernando was a great teacher. enthusiastic about the material and really wanted the students to succeed. helped us out in regards to quiz and test grades towards the end of the semester. really liked the professor.
-	Professor Fernando was incredibly enthusiastic about the course material. That enough was motivation to go to class every day.
-	Provided great lecture notes and practice problems to work on. Explained concepts and principles clearly. Had office hours during all of finals week, which was very helpful. Also provided great refreshers on math principles that may have been forgotten.
-	Professor Fernando is a superb calculus teacher, and calculus can be very hard to teach. He is fair but challenging, and I felt stimulated throughout the semester. I'm going beyond recommending him by taking another of his classes in the fall.

<b>Course:</b>	MATH2310 01 - Discrete Mathematics	<b>Department:</b>	MATH
<b>Responsible Faculty:</b>	Waththage Neran Fernando	<b>Responses / Expected:</b>	34 / 46 (73.91%)

Course Questions	MATH2310 - 01							--- Survey Comparisons ---					
	Responses		Course					MATH			All		
	IWP	ICN	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q1</b> All responses are completely anonymous, and participation in the evaluation process is expected. However, you are permitted to opt out of completing this questionnaire by selecting "Opt Out."	31	3	34	1.9	2	.28	.05	1.8K	1.9	60	42K	1.9	44

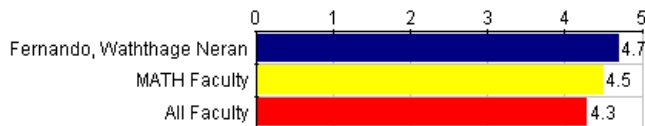
**Responses:** [IWP] I will participate=2 [ICN] I choose not to participate=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions		Fernando, Waththage Neran										--- Survey Comparisons ---					
		Responses					Individual					MATH			All		
		SA	A	N	D	SD	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
Q16	The instructor possessed the basic communications skills necessary to teach the course.	22	8	1	0	0	31	4.7	5	.53	.10	1.6K	4.4	73	40K	4.4	65
Q17	The instructor clearly communicated ideas and information.	23	4	3	1	0	31	4.6	5	.79	.14	1.6K	4.3	71	40K	4.3	64
Q18	The instructor clearly stated the objectives of the course.	23	8	0	0	0	31	4.7	5	.44	.08	1.6K	4.4	83	40K	4.4	79
Q19	The instructor covered what was stated in the course objectives and syllabus.	26	5	0	0	0	31	4.8	5	.37	.07	1.6K	4.5	87	39K	4.4	87
Q20	The instructor came to class prepared to teach.	28	3	0	0	0	31	4.9	5	.30	.05	1.6K	4.6	85	39K	4.5	86
Q21	The instructor used class time effectively.	26	3	2	0	0	31	4.8	5	.55	.10	1.6K	4.5	85	39K	4.3	83
Q22	The instructor provided sufficient feedback.	23	8	0	0	0	31	4.7	5	.44	.08	1.6K	4.3	88	39K	4.1	85
Q23	The instructor fairly evaluated my performance.	25	5	1	0	0	31	4.8	5	.49	.09	1.6K	4.5	82	39K	4.3	86
Q24	The instructor is someone I would recommend to other students.	24	5	1	1	0	31	4.7	5	.69	.12	1.6K	4.3	70	40K	4.2	74
Q25	The instructor treated students with respect.	29	2	0	0	0	31	4.9	5	.25	.04	1.6K	4.5	92	40K	4.5	87
Q26	The instructor acknowledged and took effective action when students did not understand the material.	23	4	4	0	0	31	4.6	5	.70	.13	1.6K	4.3	67	39K	4.3	71
Q27	The instructor was available to assist students outside of class.	23	7	0	0	0	30	4.8	5	.42	.08	1.6K	4.5	83	38K	4.3	85
Q28	The instructor displayed enthusiasm for the course.	28	3	0	0	0	31	4.9	5	.30	.05	1.6K	4.5	86	40K	4.5	83

Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1  
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)





Graph Legend	
<span style="color: blue;">■</span>	Fernando, Waththage Neran
<span style="color: yellow;">■</span>	MATH Faculty
<span style="color: red;">■</span>	All Faculty

Instructor Questions	Fernando, Waththage Neran											--- Survey Comparisons ---					
	Responses					Individual						MATH			All		
	AAE	UE	SE	RE	NE	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk	
Q29	What is your overall rating of this instructor's teaching effectiveness?																
	22	9	0	0	0	31	4.7	5	.45	.08	1.6K	4.5	69	40K	4.3	70	

**Responses:** [AAE] Almost Always Effective=5 [UE] Usually Effective=4 [SE] Sometimes Effective=3 [RE] Rarely Effective=2 [NE] Never Effective=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)

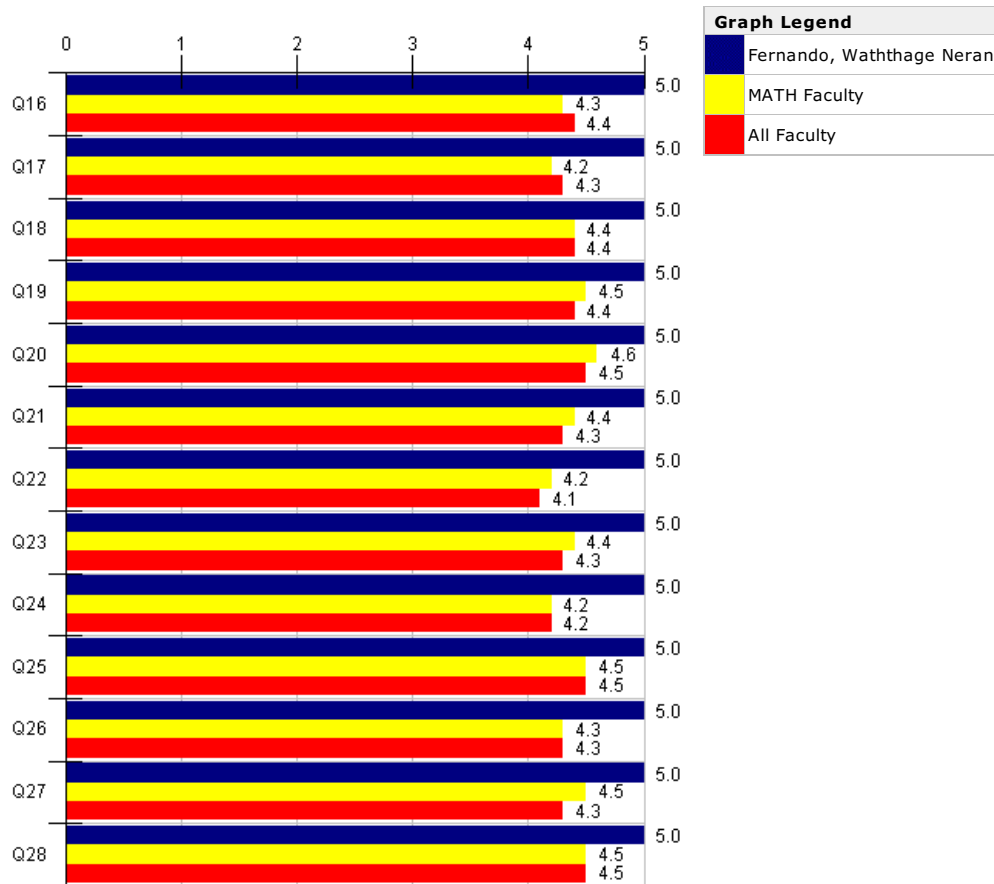
**Q30 - Describe instructor's strengths, areas for improvement, and any additional comments.**

Faculty:	Fernando, Waththage Neran	
Response Rate:	61.76% (21 of 34)	
-	Prof. Fernando uses class time very efficiently, right down to the seconds. He has quite some humor and very knowledgeable, I definitely enjoyed his lectures. However, he tends to get really excited about doing proofs and usually does them really fast... (in the students perspective). He definitely needs to slow down a bit with the proofs. Also sometime to try is to show different ways to do the proofs because I think different students think differently so they might not follow with the proof that he originally came up with. Overall, pretty good professor.	
-	Professor Fernando was enthusiastic, fair, and very effective at helping students gain an understanding of the material.	
-	Handwriting was hard to read and often lectures were disorganized to the point where it was hard to take notes.	
-	I would strongly recommend the professor to others, but the problem is that he only teaches the spring course. I mean, this course is not that easy, but he gave hints before each quiz, mid and final, and drop 2~3 lowest grades, which made it great easier than I think. Whenever you raise questions, he is always willing to answer that and also post solutions to those especially tough questions.	
-	To me the instructor obviously enjoyed teaching the class. He showed his enthusiasm throughout his lecture. One area of lacking though, was that the teacher speed through the materials sometimes and before I was able to understand the material, we were already onto the next topic. He could definitely slow down a little bit to let people figure out what is happening before he moves on. Besides that, I think he is a great teacher and is someone who loves coming to class to teach.	
-	Cool guy, fair teacher.	
-	Professor fernando is probably one of the best professors I have had so far. I would always leave class knowing what was going on and I wouldn't need to spend much time home reviewing. He was very clear and he's always making sure we know whats going on.	
-	Really good professor, knows what he is doing. Sometimes it's hard to understand where he is going with a theorem.	
-	Highly accommodating. Excellent communicator, especially by email. Personable and very willing to help students.	
-	I hope professor to give us solutions to each assignments.	
-	it is made clear	
-	An amazing Professor and general Human being! Would HIGHLY recommend his class. Discrete math with difficult for me, and Fernando made it a lot better.	
-	The best math instructor I have had so far!	
-	Definitely my favorite math instructor to date! Occasionally went through a problem too fast but would go over it again whenever someone asked to have the problem repeated.	
-	Instructor understood the material very deeply, but often had trouble understanding why it was difficult for students to grasp. If the instructor was more clear about outlining the methods for each type of problem or proof, the students would have been able to better grasp the patterns of the subject and excel when material became more advanced.	
-	Prof. Fernando was an excellent teacher. Very enthusiastic about the course.	
-	This professor was one of the best professors I've ever had. He came to class prepared to teach and went over the problems in a way that they made sense and in an efficient manner. The material was presented in a way that was easy enough to follow along with but also made a lot of sense	
-	Communicates well with the class and is always making sure that the students are following what is being said. Quizzes and tests are fair and he makes sure you are prepared for them. Very enthusiastic and knowledgeable.	
-	He would often go over the material too quickly, and students would have to ask him to repeat himself. He would also assume that we knew things from other classes that not all of the students had taken.	
-	He can go a bit fast at times, but is willing to explain anything students do not understand. Very helpful during office hours and really tries to makes sure everyone can succeed. Very enthusiastic on the subject.	
-	Prof. Fernando is simply one of the best professors I have had at northeastern. He cares a lot about students and he does everything in his power to provide help to students. He stays after hours to fit everyone's schedule and provides a lot of help in any math courses you have.	
-	Please hire more Math professors like him and professors like him in general who actually care about teaching and not just their research.	

<b>Course:</b>	MATH2310 01 - Discrete Mathematics	<b>Department:</b>	MATH
<b>Responsible Faculty:</b>	Waththage Neran Fernando	<b>Responses / Expected:</b>	3 / 11 (27.27%)

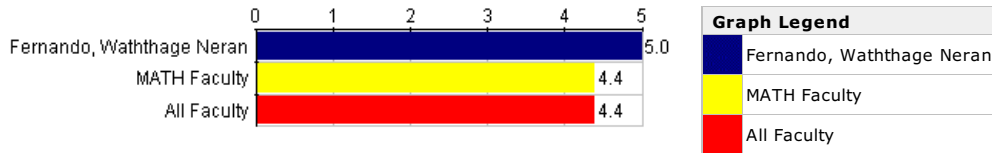
Course Questions		MATH2310 - 01						--- Survey Comparisons ---						
		Responses		Course				MATH			All			
		IWP	ICN	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q1</b>	All responses are completely anonymous, and participation in the evaluation process is expected. However, you are permitted to opt out of completing this questionnaire by selecting "Opt Out."	3	0	3	2.0	2	0	0	1.8K	1.9	88	43K	1.9	77

**Responses:** [IWP] I will participate=2 [ICN] I choose not to participate=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions		Fernando, Waththage Neran										--- Survey Comparisons ---					
		Responses					Individual					MATH			All		
		SA	A	N	D	SD	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
Q16	The instructor possessed the basic communications skills necessary to teach the course.	3	0	0	0	0	3	5.0	5	0	0	1.6K	4.3	96	40K	4.4	94
Q17	The instructor clearly communicated ideas and information.	3	0	0	0	0	3	5.0	5	0	0	1.6K	4.2	96	40K	4.3	95
Q18	The instructor clearly stated the objectives of the course.	3	0	0	0	0	3	5.0	5	0	0	1.6K	4.4	97	40K	4.4	96
Q19	The instructor covered what was stated in the course objectives and syllabus.	3	0	0	0	0	3	5.0	5	0	0	1.6K	4.5	96	40K	4.4	96
Q20	The instructor came to class prepared to teach.	3	0	0	0	0	3	5.0	5	0	0	1.6K	4.6	95	40K	4.5	94
Q21	The instructor used class time effectively.	3	0	0	0	0	3	5.0	5	0	0	1.6K	4.4	95	40K	4.3	95
Q22	The instructor provided sufficient feedback.	3	0	0	0	0	3	5.0	5	0	0	1.6K	4.2	98	40K	4.1	97
Q23	The instructor fairly evaluated my performance.	3	0	0	0	0	3	5.0	5	0	0	1.6K	4.4	97	40K	4.3	96
Q24	The instructor is someone I would recommend to other students.	3	0	0	0	0	3	5.0	5	0	0	1.6K	4.2	97	40K	4.2	95
Q25	The instructor treated students with respect.	3	0	0	0	0	3	5.0	5	0	0	1.6K	4.5	96	40K	4.5	93
Q26	The instructor acknowledged and took effective action when students did not understand the material.	3	0	0	0	0	3	5.0	5	0	0	1.6K	4.3	98	40K	4.3	96
Q27	The instructor was available to assist students outside of class.	3	0	0	0	0	3	5.0	5	0	0	1.6K	4.5	98	39K	4.3	96
Q28	The instructor displayed enthusiasm for the course.	3	0	0	0	0	3	5.0	5	0	0	1.6K	4.5	96	40K	4.5	93

Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1  
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)



Graph Legend	
<span style="color: blue;">■</span>	Fernando, Waththage Neran
<span style="color: yellow;">■</span>	MATH Faculty
<span style="color: red;">■</span>	All Faculty

Instructor Questions	Fernando, Waththage Neran										--- Survey Comparisons ---															
	Responses					Individual					MATH			All												
	AAE	UE	SE	RE	NE	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk										
Q29	What is your overall rating of this instructor's teaching effectiveness?										3	0	0	0	0	3	5.0	5	0	0	1.6K	4.4	96	41K	4.4	94

**Responses:** [AAE] Almost Always Effective=5 [UE] Usually Effective=4 [SE] Sometimes Effective=3 [RE] Rarely Effective=2 [NE] Never Effective=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)

**Q30 - Describe instructor's strengths, areas for improvement, and any additional comments.**

<b>Faculty:</b> Fernando, Waththage Neran	
<b>Response Rate:</b> 100.00% (3 of 3)	
-	The professor was extremely knowledgeable on all topics and major concepts. He explained the material in great depth, which allow for full comprehension.
-	Great instructor, one of the best I have encountered.
-	Best professor at NEU

Instructor: **Fernando, Waththage**  
 Subject: **MATH**  
 Catalog & Section: **1252, 01**

Course Title: **Calculus Diff Eq - Biology 2**  
 Enrollment: **10** Responses Incl Declines: **2**  
 (Declined: **0**)

### Course Related Questions

Question	Responses	Mean (from 5)	University Mean	Median (from 5)	University Median
The syllabus helped me to learn.	2	4.00	4.00	4.00	4.00
The textbook(s) helped me to learn.	2	4.00	3.84	4.00	4.00
The materials posted online, including Blackboard, helped me to learn.	2	4.50	4.29	4.50	4.00
The out-of-class assignments and fieldwork helped me to learn.	2	4.50	4.23	4.50	4.00
The lectures helped me to learn.	2	5.00	4.21	5.00	4.00
The in-class discussions and activities helped me to learn.	2	4.50	4.27	4.50	4.00
The classroom technology helped me to learn.	2	4.00	4.02	4.00	4.00
I found this course intellectually challenging.	2	5.00	4.08	5.00	4.00

### Learning Related Questions

Question	Responses	Mean (from 5)	University Mean	Median (from 5)	University Median
I learned a lot in this course.	2	5.00	4.25	5.00	4.00
I learned to apply course concepts and principles.	2	5.00	4.28	5.00	4.00
I developed additional skills in expressing myself orally and in writing.	2	5.00	4.05	5.00	4.00
I learned to analyze and evaluate ideas, arguments, and points of view.	2	5.00	4.17	5.00	4.00

### Instructor Related Questions: \$DISPLAY\_NAME\$

Question	Responses	Mean (from 5)	University Mean	Median (from 5)	University Median
The instructor possessed the basic communication skills necessary to teach the course.	2	5.00	4.46	5.00	5.00
The instructor clearly communicated ideas and information.	2	5.00	4.29	5.00	5.00
The instructor clearly stated the objectives of the course.	2	5.00	4.43	5.00	5.00
The instructor covered what was stated in the course objectives and syllabus.	2	5.00	4.49	5.00	5.00
The instructor came to class prepared to teach.	2	5.00	4.52	5.00	5.00
The instructor used class time effectively.	2	5.00	4.30	5.00	5.00
The instructor provided sufficient feedback.	2	5.00	4.15	5.00	4.00
The instructor fairly evaluated my performance.	2	5.00	4.31	5.00	5.00
The instructor is someone I would recommend to other students.	2	5.00	4.21	5.00	5.00
The instructor treated students with respect.	2	5.00	4.53	5.00	5.00
The instructor acknowledged and took effective action when students did not understand the material.	2	5.00	4.30	5.00	5.00
The instructor was available to assist students outside of class.	2	5.00	4.36	5.00	5.00
The instructor displayed enthusiasm for the course.	2	5.00	4.59	5.00	5.00

**Please comment on the strengths of this course and/or ways to improve this course.**

n/a

**Describe instructor's strengths, areas for improvement, and any additional comments.**

The instructor is one of the best professor I have had at Northeastern. His teaching is very clear, and even though summer classes are fast paced he made sure to take time to ensure that people in the class understood the material. His notes/lectures were very helpful. He provided enough examples and various cases to understand how to perform the mathematical procedure. The instructor is very understanding towards students, and truly wants the best for them. He's a very great professor and person.

Professor Fernando is a great teacher. He's good at keeping lectures organized, clear, and always makes connections to other class topics... never just teaches the topic at face value.

Instructor: **Fernando, Waththage**  
 Subject: **MATH**  
 Catalog & Section: **3533, 01**

Course Title: **Combinatorial Mathematics**  
 Enrollment: **20** Responses Incl Declines: **7**  
 (Declined: **0**)

### Course Related Questions

Question	Responses	Mean (from 5)	University Mean	Median (from 5)	University Median
The syllabus helped me to learn.	7	4.00	4.00	4.00	4.00
The textbook(s) helped me to learn.	7	3.71	3.84	4.00	4.00
The materials posted online, including Blackboard, helped me to learn.	7	4.17	4.29	4.00	4.00
The out-of-class assignments and fieldwork helped me to learn.	7	4.57	4.23	5.00	4.00
The lectures helped me to learn.	7	5.00	4.21	5.00	4.00
The in-class discussions and activities helped me to learn.	7	4.67	4.27	5.00	4.00
The classroom technology helped me to learn.	7	3.00	4.02	3.00	4.00
I found this course intellectually challenging.	7	4.71	4.08	5.00	4.00

### Learning Related Questions

Question	Responses	Mean (from 5)	University Mean	Median (from 5)	University Median
I learned a lot in this course.	7	5.00	4.25	5.00	4.00
I learned to apply course concepts and principles.	7	5.00	4.28	5.00	4.00
I developed additional skills in expressing myself orally and in writing.	7	3.50	4.05	3.50	4.00
I learned to analyze and evaluate ideas, arguments, and points of view.	7	4.20	4.17	4.00	4.00

### Instructor Related Questions: \$DISPLAY\_NAME\$

Question	Responses	Mean (from 5)	University Mean	Median (from 5)	University Median
The instructor possessed the basic communication skills necessary to teach the course.	7	4.71	4.46	5.00	5.00
The instructor clearly communicated ideas and information.	7	4.29	4.29	4.00	5.00
The instructor clearly stated the objectives of the course.	7	4.86	4.43	5.00	5.00
The instructor covered what was stated in the course objectives and syllabus.	7	4.71	4.49	5.00	5.00
The instructor came to class prepared to teach.	7	4.86	4.52	5.00	5.00
The instructor used class time effectively.	7	4.86	4.30	5.00	5.00
The instructor provided sufficient feedback.	7	4.71	4.15	5.00	4.00
The instructor fairly evaluated my performance.	7	5.00	4.31	5.00	5.00
The instructor is someone I would recommend to other students.	7	4.86	4.21	5.00	5.00
The instructor treated students with respect.	7	5.00	4.53	5.00	5.00
The instructor acknowledged and took effective action when students did not understand the material.	7	4.43	4.30	5.00	5.00
The instructor was available to assist students outside of class.	7	4.86	4.36	5.00	5.00
The instructor displayed enthusiasm for the course.	7	4.86	4.59	5.00	5.00

**Please comment on the strengths of this course and/or ways to improve this course.**

Subject matter can be a little dry, but there isn't much to do about that. Some students might like more applications but I personally liked the more abstract approach.

The topics get very abstract, so it's hard to say how it should be improved, if at all. Though there was no need to buy the textbook, as there was a free download online.

**Describe instructor's strengths, areas for improvement, and any additional comments.**

Need to leave more time for questions before moving on to a new topic.

He's very thorough, though sometimes he moves a bit fast and it's easy to lose a step. He'll always go back if you ask him though.

One thing to note is that this professor is better at math than anyone in the class, which is good most of the time but occasionally results in him taking for granted to you understand a concept when you don't.

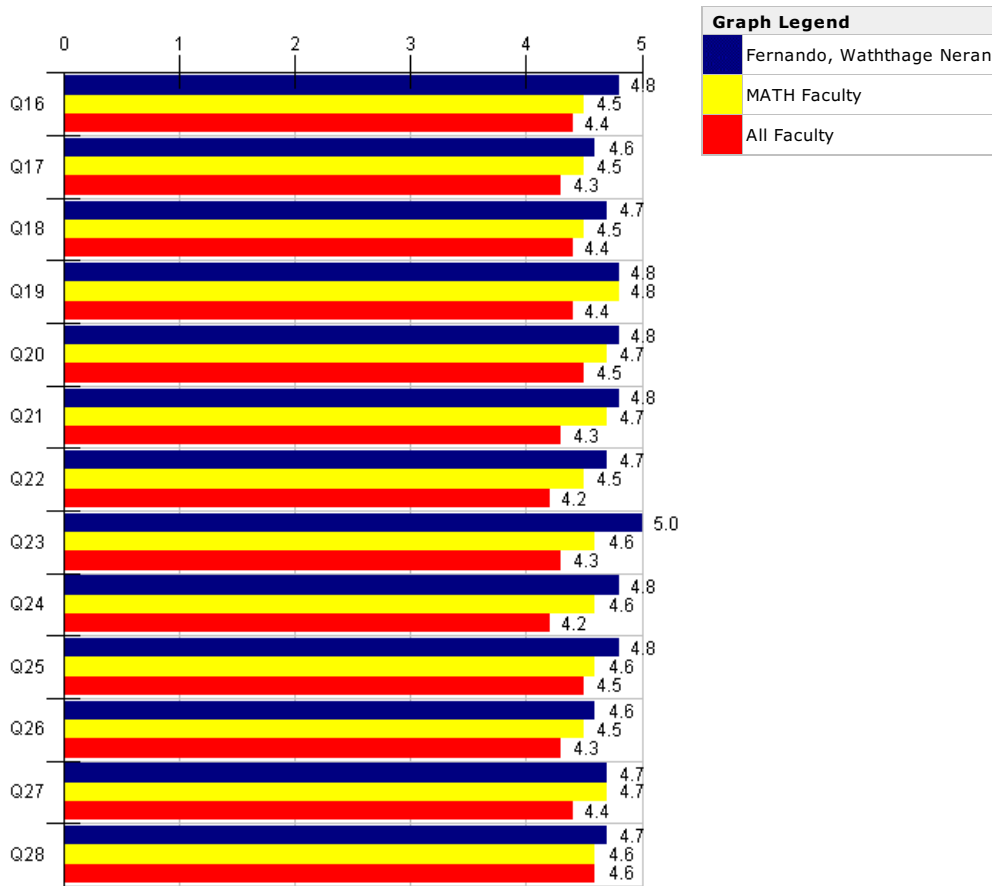
Professor Fernando shows a lot of care for his students and he is a wonderful professor. I would recommend a little more explanation for when students do not understand. It is not helpful to just repeat yourself. perhaps practicing explaining things in different ways would be helpful.



<b>Course:</b>	MATH3081 01 - Probability and Statistics	<b>Department:</b>	MATH
<b>Responsible Faculty:</b>	Waththage Neran Fernando	<b>Responses / Expected:</b>	14 / 32 (43.75%)

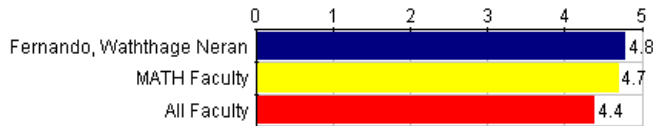
Course Questions	MATH3081 - 01							--- Survey Comparisons ---					
	Responses		Course					MATH			All		
	IWP	ICN	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
<b>Q1</b> All responses are completely anonymous, and participation in the evaluation process is expected. However, you are permitted to opt out of completing this questionnaire by selecting "Opt Out."	10	2	12	1.8	2	.37	.11	107	1.9	38	3.3K	1.9	25

**Responses:** [IWP] I will participate=2 [ICN] I choose not to participate=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)



Instructor Questions		Fernando, Waththage Neran										--- Survey Comparisons ---					
		Responses					Individual					MATH			All		
		SA	A	N	D	SD	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
Q16	The instructor possessed the basic communications skills necessary to teach the course.	9	3	0	0	0	12	4.8	5	.43	.13	101	4.5	71	3.5K	4.4	73
Q17	The instructor clearly communicated ideas and information.	7	5	0	0	0	12	4.6	5	.49	.14	101	4.5	54	3.5K	4.3	61
Q18	The instructor clearly stated the objectives of the course.	8	4	0	0	0	12	4.7	5	.47	.14	101	4.5	58	3.4K	4.4	70
Q19	The instructor covered what was stated in the course objectives and syllabus.	10	2	0	0	0	12	4.8	5	.37	.11	101	4.8	54	3.4K	4.4	85
Q20	The instructor came to class prepared to teach.	9	3	0	0	0	12	4.8	5	.43	.13	101	4.7	58	3.3K	4.5	67
Q21	The instructor used class time effectively.	10	2	0	0	0	12	4.8	5	.37	.11	101	4.7	71	3.3K	4.3	84
Q22	The instructor provided sufficient feedback.	8	4	0	0	0	12	4.7	5	.47	.14	99	4.5	58	3.4K	4.2	79
Q23	The instructor fairly evaluated my performance.	11	0	0	0	0	11	5.0	5	0	0	99	4.6	88	3.4K	4.3	96
Q24	The instructor is someone I would recommend to other students.	9	3	0	0	0	12	4.8	5	.43	.13	101	4.6	67	3.4K	4.2	78
Q25	The instructor treated students with respect.	9	3	0	0	0	12	4.8	5	.43	.13	100	4.6	67	3.4K	4.5	65
Q26	The instructor acknowledged and took effective action when students did not understand the material.	8	3	1	0	0	12	4.6	5	.64	.18	101	4.5	54	3.4K	4.3	65
Q27	The instructor was available to assist students outside of class.	8	3	0	0	0	11	4.7	5	.45	.13	99	4.7	63	3.2K	4.4	81
Q28	The instructor displayed enthusiasm for the course.	8	4	0	0	0	12	4.7	5	.47	.14	101	4.6	50	3.4K	4.6	49

Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1  
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)



Graph Legend	
<span style="color: blue;">■</span>	Fernando, Waththage Neran
<span style="color: yellow;">■</span>	MATH Faculty
<span style="color: red;">■</span>	All Faculty

Instructor Questions	Fernando, Waththage Neran										--- Survey Comparisons ---					
	Responses					Individual					MATH			All		
	AAE	UE	SE	RE	NE	N	Mean	Med.	Std Dev	Std Err	N	Mean	Pct Rnk	N	Mean	Pct Rnk
Q29	What is your overall rating of this instructor's teaching effectiveness?															
	10	1	1	0	0	12	4.8	5	.60	.17	101	4.7	46	3.5K	4.4	71

**Responses:** [AAE] Almost Always Effective=5 [UE] Usually Effective=4 [SE] Sometimes Effective=3 [RE] Rarely Effective=2 [NE] Never Effective=1  
**Pct Rnk:** Percentile Rank (100 is best, calculated vs. precise Mean)

**Q30 - Describe instructor's strengths, areas for improvement, and any additional comments.**

<b>Faculty:</b>	Fernando, Waththage Neran															
<b>Response Rate:</b>	35.71% (5 of 14)															
-	no															
-	Always enthusiastically available to help with any problem that arises with material.															
-	Best Teacher I have ever had in college															
-	Always enthusiastic and clearly knew his stuff. Really good at providing challenging material in class so that we were prepared for the quizzes and exams, which were always fair. One of the best professors in the math department.															
-	Has a slight accent, but it doesn't make him at all difficult to understand. Extremely good at explaining concepts and exhaustively doing examples. For this class, I feel like there's pretty much no excuse not to get an A.															

Instructor: Fernando, Waththage  
 Subject: MATH  
 Catalog & Section: 2321,

Course Title: Calculus 3 for Sci/Engr  
 Enrollment: 47 Responses Incl Declines: 39  
 (Declined: 2)

## 1. Learning Related Questions

Please comment on the strengths of this course and/or ways to improve this course.

- The course is hard and the only way to learn it is to do lots of assignments.
- Teaches several core calculus topics, and relates them to other knowledge learned in other courses, such as flux from physics and some concepts relating back to previous calculus classes and building upon them.
- Practice quizzes every week would help things
- Improve the course by making homework relevant. Doing assigned problems often is not helpful so there aren't a ton of ways to test whether or not you understood the material before being tested on it.
- Making the final worth 40% still seems a bit excessive even if it is a department standard. It makes individual quizzes almost insignificant.
- I really didn't feel like the textbook helped me learn. Lectures were generally very clear, but sometimes when I didn't understand a topic I would try to read the section and just become more confused.

## 2. Instructor Related Questions: Waththage Fernando

Describe instructor's strengths, areas for improvement, and any additional comments.

- He is as good as I thought.
- Excellent teacher, covered the syllabus in a comprehensive and clear manner. Taught concepts well, was always available to help, even during his lunch if necessary. Good knowledge of mathematics and how to teach it to students effectively.
- Talks a bit fast, but gives very comprehensive explanations and is always available for OH
- The teacher is great. He is great at giving examples in class and teaching during lecture. His homework problems in no way shape or form are helpful to your learning. They are almost nothing like the problems you are usually tested or quizzed on so that can be frustrating but he keeps you well prepared.
- Professor Fernando was extremely understanding, accommodating and enthusiastic. He is without a doubt the best professor I've had in the math department so far at NEU. He made himself extremely available for extra help even after normal hours and on weekends if he needed to. I recommend Professor Fernando to all my friends for Calc and Diff Eq.
- I thought the problem sheets were very helpful, but I also felt like I was seeing the same problems just with different numbers in the homework, problem sheets, etc.
- often explain many examples to us, best professor ever.
- explain ideas clearly, effective practice tests
- Dr. Fernando is an incredible professor. I'm not sure how, but he teaches calculus in a way that makes it understandable and manageable to learn. This is my second semester taking calc with him, and I mostly took calc 3 because I knew I would do well with him as my professor. Besides being able to clearly communicate all ideas, concepts, etc., he wants to see his students succeed and is very helpful, willing to answer any questions students may have. In class, he goes through many examples and spends ample time on the more difficult concepts learned. Overall, I'd have to say he's the best professor I've had yet at Northeastern. Highly, highly recommended.
- Best math professor I've ever had! Very effective lectures and explanations
- One of the best math professors at Northeastern. Very speed though, if you look down for a second, he'll already be halfway through the problem, which is why you must pay attention for the entire class. Makes the class enjoyable.
- Fernando is an awesome professor. I had already heard great things about him and taking his class confirmed them. He gives very fair quizzes and exams and he prepares you very well for them. Although he teaches the material very quickly, he ends up doing a ton of examples in class which really help. The bottom line is Fernando is the man and if you have the chance to take his class, you should.
- One of, if not THE best math teacher I've ever come across
- Phenomenal Professor. Incredibly knowledgeable, organized, efficient, and kind. Honored to have had him as a professor.
- Funny and friendly and will always go over something if a student asks
- Very knowledgeable. Great at explaining. Thorough
- Made learning Calc. 3 almost enjoyable. Great teacher.
- Fernando is a great calc professor! Seriously one of the best. He goes fast but leaves plenty of time to ask questions, and provides a lot of examples and practice to do outside of class.
- Professor Fernando is awesome.
- Professor Fernando is the man and this was the most enjoyable math class I've ever taken.
- Professor Fernando is an extremely capable teacher who is able to communicate ideas in a very in-depth way. Students in his class feel confident in their knowledge of the material. His class is extremely hard, but fair.

Expect to get low grades on tests. He is willing to help with your grade, offering extra credit and dropping lowest quiz scores

- The classroom was filled up and so when I sat in the back it was hard to hear sometimes.

## 1. Learning Related Questions

Please comment on the strengths of this course and/or ways to improve this course.

- I don't think this course needs any modification. I enjoyed not turning in homework and instead taking a weekly quiz to evaluate performance.
- Very challenging class. I especially liked the real world scenarios. Learning cooling laws and applying differential calculus to other every day problems were very helpful to me in this class.
- Very structured and follows syllabus almost perfectly. Homework problems were aligned with material in class
- This class is a very fun math class, especially after all of the calculus courses. As a math major, I found this to be my favorite course out of all the required courses and I always had a firm understanding of the course concepts.
- Professor Fernando was a great professor. He's very easy going and very smart and teaches very clearly.
- Strengths: Lots of new material for expanding mathematical concepts
- The midterm dates should be determined at the beginning of the semester
- The course taught me a lot about the subject and the use of examples and applications was very helpful.
- Material was a good level of difficulty
- Good course and interesting material. Definitely could add a bit more about application though. I can do all the math, but I really don't know how I will use it or in what situations it can be applied. I really appreciated having Newton's law of Cooling and mixtures as those were very applicable.
- Good course, could go more into the derivations of the formulas and methods used rather than the applications which are straightforward.
- Good math class
- Really useful methods learned in this course that can be applied outside of math. It's well structured.
- Some times too fast
- This course is pretty fine as it is
- It would be better if the professor could go a bit slower to allow students to copy the notes and absorb the information. Usually during lecture I feel like I'm rushing to write down everything on the board onto my notebook rather than paying attention and understanding what's going on, and asking questions.
- Super heavy on example problems while light on concept

## 2. Instructor Related Questions: Waththage Fernando

Describe instructor's strengths, areas for improvement, and any additional comments.

- Great professor. Engaging, friendly, and funny. Made me like math more.
- Definitely always effective and displayed constant enthusiasm that I have yet to see in a math class. His motto is " mathematics for life" and he proves it in this course.
- Explains material very well and always provides in class examples that are very similar to homework. Always helpful at office hours.
- This is my second class with Fernando, and I absolutely think he is one of the best professors in the mathematics department. I know that he was very excited about teaching this class, and his understanding of the material is unparalleled. I started the semester in Prof. Lupi's class, but I quickly could tell that even though Lupi is known to be an expert on this subject, his teaching style would not work for me. I am so happy that I took this class from Fernando. I don't think I have ever been able to say this before, but I was genuinely excited to take tests and quizzes because I had such a good grasp on the information from Fernando's lectures and examples. I went into every exam feeling prepared. Fernando is also one of the most giving professors in terms of office hours. He makes sure to offer as many office hours as possible, especially before tests. Certainly, this infringes with his out-of-school life, but it is clear that Fernando loves teaching and loves his students and is willing to put our understanding before all else. In class, he provides numerous examples and always elaborates if things are unclear. He gives "gifts" throughout the semester depending on class performance. These include dropping a certain amount of quiz grades, curving exams, or replacing bad grades with the final grade if the final grade is better. I would recommend Fernando to anybody, for any class.
- Strength: Appreciation and passion for the course material as well as the fundamentals the course elaborates off of.<br/>Areas for Improvement: None noticeable.
- His lecture notes are some of the most organized and comprehensive notes of any instructor I've had. He has a very good personality.
- The instructor was enthusiastic about the subject and the many examples that he went through in class were very helpful. He was a very good instructor.
- Very enthusiastic about the course
- Honestly an absolutely fantastic professor! He's kind of an odd ball guy and can be a little awkward, but he is a great teacher! He uses class time to its full potential and he's very good at articulating the material. He's also

generous with his "Christmas Presents". He cracks a lot of really quirky jokes but they are greatly appreciated by all. I highly recommend this professor!

- Best lecturer at Northeastern for math. Period.
- Knew the material very well and was always in a good mood. Very approachable and helpful.
- One of the best professors I've had. Absolutely hilarious, very enthusiastic about the material and gives comprehensive examples to help you understand the material better. He loves when you come visit him at office hours and goes out of his way to help you if you do. Highly recommended.
- Best math teacher. Clear, concise and funny all at the same time. Very passionate about teaching differential equations. I felt bad when I got a bad score on my midterm. Very approachable, great teacher.
- Professor Fernando is a pleasure to have as a lecturer. He effectively conveys concepts, stops to make sure people are following, and is fairly explicit as to what will be tested. He ALWAYS provides an extensive amount of office hours, especially right before exams. He also has a killer sense of humor. I highly recommend him as a professor.
- Great at going over key concepts in a concise and clear manner. Could slow down a bit when giving lecture. Great Professor would 100% recommend to anyone.
- I wish he would be a little slower about teaching, and focus more on the concept than bombarding us with examples
- the instructor provides his students with help whenever is possible. He is welcoming and cares about his students. <br/>For him it is important that the students understand what is exactly happening in the class <br/>BEST professor ever!
- Amazing professor! Very clear and really knows how to teach the material. You have to put in time but if you do it is manageable to do decent.
- My favorite math Professor!
- Professor Fernando was the best professor I have ever had. He was always enthusiastic, graded fairly, and always made himself available to the students. At the final exam, he told all of his students that his door is always open in the future for any math queries we might have, regardless of whether he is our instructor or not. That's going above and beyond.
- Amazing knowledge of all topics and issues, very good teaching techniques and skills. Only comment is that his pace is sometimes fast.
- Prof. Fernando was very clear! I loved how excited he was in class and how open he was to questions. He always explained the material fully.
- The instructor was able to clearly outline the concepts and provide examples that helped me further understand them
- Professor Fernando was one of the best professors I have ever had. His knowledge, willingness to help, availability, and sense of humor made his class enjoyable and I felt that I learned a lot.
- He explains the material well. He moves fast at times, but most math professors do. If someone doesn't understand something he is always glad to answer questions.
- Good lecturer but the instructor was often unable to answer student's questions clearly if at all.
- Truly the best professor! Always prepared, and dedicated to teaching.
- Good professor. Slightly scattered lectures but gave good information. Wish he would put all solutions on blackboard.
- Fernando is the best!!
- He is very effective at teaching the material in a way that is clear and concise, and he wastes no time.
- I loved Professor Fernando. He is by far the best professor I've had here at northeastern, especially in the math department (I'm a second-year math major, so I've had my fair share of math professors). He seems to really care about his students and their understanding of the material. His math humor also made me laugh early in the morning.
- Funny, clearly loves the subject, and good at teaching it
- Professor Fernando is amazing! He made a lecture hall of close to 110 kids feel like a small discussion based course. He constantly made jokes that the entire class laughed at, most math related, and he knew exactly what he was talking about. This is the most engaging course I have taken, high school or college, and he is the reason why DiffEq and Linear Algebra seem manageable to me. I strongly suggest taking him if you want to fully learn a subject and have a fun time doing it.
- Such a good professor!
- Fernando is the BEST. He presents concepts very clearly during lecture and gives relevant examples to the course. His dry sense of humor keeps the class interested. Always willing to work with his students.
- Best Math professor I have had at the university. Taught the course rather than just lectured. Also was humorous and allowed time for questions.
- Clearly states. <br/>Sometimes too fast.

Instructor: **Fernando, Waththage**  
Subject: **MATH**  
Catalog & Section: **2321,**

Course Title: **Calculus 3 for Sci/Engr**  
Enrollment: **64** Responses Incl Declines: **40**  
(Declined: **4**)

## **1. Learning Related Questions**

**Please comment on the strengths of this course and/or ways to improve this course.**

- Challenging, but definitely doable.
- course was very very easy<br/>should go more in depth
- very fast paced. Material was difficult, but i learned a lot
- I'm not sure how I would apply a lot of the things I've learned to real world scenarios.
- Maybe design a few more homeworks rather than just the selection of book problems- some of them are not very much related to the questions presented on quizzes and tests.
- Needs more applications
- This was a good course. I did notice that some classes were behind or ahead so maybe more consistency between all of the teachers.

## **2. Instructor Related Questions: Waththage Fernando**

**Describe instructor's strengths, areas for improvement, and any additional comments.**

- When students don't understand concepts, he tends to explain them the same way or just do another example problem instead of addressing the conceptual issue. Otherwise, quite effective.
- great teacher<br/>very enthusiastic and effective at teaching
- really enjoyed. Was best professor i have had here at northeaster. Displayed enthusiasm, kept students interested, was funny, but was also a terrific teacher. Moved very fast, but always provided a bunch of examples and problems for the students.
- He is approachable and makes class interesting, and obviously knows a lot about the subject.
- Intelligent, enthusiastic, and very friendly. I took the class as a freshman and had little trouble sliding right in thanks to Professor Fernando.
- He was a great teacher. He was always prepared and went over everything on the syllabus. I would highly recommend.
- Professor Fernando does not over complicate the material. He introduces the topic, shows how it applies to the course and fairly tests our understanding of the material. No unneeded big fancy exaggerations of what a subject is. Do yourself a favor and if you have the opportunity, take this professor.
- No specific areas of improvements. An excellent professor. One of the very best
- awesome professor, never been more confident and precise with his expectations from us, and is always ready to help. he explains everything too well, and is overqualified to teach intro level courses. in other words, please let him teach tougher courses so my life becomes easier as an upper-class student.
- Very good at explaining things, always answered my questions clearly, great professor, one of my favorite professors this semester
- one of the best math professors. The problem sheets he gave us were very helpful. Does everything a he can to ensure his students success and ability to learn the subject. Sometimes he can be a little too fast when teaching but that is all.
- Best Math professor at the university.
- The instructor is great
- Very knowledgeable and enthusiastic
- Going over the concepts and then doing the practice sheets in class was SO helpful, this is the best math class I've ever taken.



## 1. Learning Related Questions

Please comment on the strengths of this course and/or ways to improve this course.

- It was fine.
- Course itself was just new math concepts which although important are not exactly the most "useful" in many things.
- The flow of the course worked very well for me with the pacing and order of the chapters. However, I think this course could be improved with smaller class sizes. It was often difficult for me to hear what the professor was saying because there were so many people in the room, and I think it decreased the attention that was paid.
- the midterms and finals make up such a large percentage of the grade that if you are not a good test taker, that may have a big effect on your grade. grading a few homeworks to offset this would be helpful. however, overall, very effective and well organized course.
- Good course.
- Good.
- good pacing
- The course covered a lot of material that is all connected in strange ways, which I think is a good thing. It's good that this was spread out over the whole semester.
- I learned the next level of math. It's pretty polished
- exam is too difficult
- The course goes over a lot of different sections and the only one I didn't like and understand very well was 5.2, because 5.3 shows a better way to decide if it is a vector in that subspace.
- The course helped with problematic thinking and using certain techniques at given times instead of other technique that worked.
- Interesting course, I enjoyed the material we covered.
- No improvements
- I think this was a very interesting course adn I learned a lot
- Great course.
- no improvements
- I appreciated that the textbook for this course was affordable and also helpful with some sections that we learned. The approach of posting homework solutions on blackboard for each section was very effective for me. My only complaint is that some sections deemed "simple" did not have the solutions posted. It would have been nice if the solutions to all homework problems listed on the syllabus had been posted, as that was my preferred method of learning the material.
- I had a good understanding of how to apply differential equations to other engineering subjects after this class. It was much more applied learning than any other math class I've taken.
- This course is ok but tough but needs good teacher

## 2. Instructor Related Questions: Waththage Fernando

Describe instructor's strengths, areas for improvement, and any additional comments.

- Good teacher, should go slower in the example problems.
- Best professor I have had at college and always recommend him to anyone taking courses he teaches.
- The way in which the theorems were described was confusing to me at times, and I had trouble understanding what they meant.
- Very enthusiastic to teach, maybe a bit too much because he sometimes flies through the lecture and examples, and since this course is very note heavy, many students including myself are trying to catch up half the time he's already moved on to another example or topic. needs to slow down a bit.
- Professor Fernando is one of the best teachers I have ever had in my life. I have no criticisms.
- Great Professor! Clear and patient. Always willing to help.
- very good at making the material understandable with many examples
- Very good at explaining the material and showing us how to do the examples. Also, really funny which takes away from the bore of math.
- It's math. When I have a math class I teach myself out of the book. I find it difficult to learn during lecture.
- His class is pretty interesting
- He very clearly explained concepts, and his examples helped me understand the concepts. In some sections I wish he varied the examples more so that I could see the different problems there might be and how I could solve them.
- Great professor and very helpful. However, he is quite fast in class which is a problem because it is harder to comprehend the information.
- The professor was an amazing teacher. He always was able to explain the material effectively and answered

questions clearly. Best math professor I've had at Northeastern.

- Clear and direct, does not throw in extra equations and derivations that are not necessary,. Has a a great attitude and personality in class making it interesting
- Prof. Fernando was a great teacher who also knew when to throw in some humor to make the dry material more bearable. I think his teaching style was also really effective at helping us understand the material
- Fernando is a great professor. His one weakness is that he talks extremely fast and moves though lectures very quickly. I've never seen anyone write on a chalkboard as quickly as Fernando! However I learned well from him and the math class I took with him was the easiest math class I've ever taken thanks to his teaching. Also he's the nicest guy, has students' respect, and really cares about the students. Great teacher.
- Passionate about teaching the subject<br/>Continually reminds class to come to his office hours with any questions <br/>makes sure the class understands the material before moving on<br/>gives plenty of examples
- Professor Fernando did a great job of explaining the course material sufficiently and addressing any questions or concerns brought up in class. He was perhaps most effective at making sure that students were prepared for quizzes and midterms by going through the steps of solutions to example problems in class. Another trait of Fernando that I appreciated was his affinity for using class time effectively and appropriately. Because of this, the course stayed on track well with the syllabus, and we did not have to rush at the end of the semester to catch up.
- Professor Fernando was excellent. My only complaint was that he would talk and write things on the board too fast. It was necessary for me to review my notes every night to be able to keep up with what was going on in class. I could never totally follow what he was doing during lecture.
- This teacher isn't good at all. He always goes to lecture on very complicated theories that no one undertands and doesn't deliver the knowledge neccesary to solve the exams or homeowkr
- Great humor, and a thorough understanding of the material.
- While the teacher did prepare for classes, he spoke and wrote way too fast in his classes. The teacher did not slow down even after being asked to.
- Professor Fernando is a great professor - he is a funny person, loves his subject material, and is a great teacher. Probably one of the best instructors I've ever had. He really cares about his students and wants them to succeed - will do stuff like drop lowest 3 quizzes or replace a midterm with your final exam grade to help your grade at the end of the semester because it is a challenging course for many students. Very good at explaining this complex subject matter to his students.
- The professor was really nice and enthusiastic about the course. He was one of the best professor's I've had!
- Should slow down as he is too fast
- Professor Fernando is the best teacher it m I've had to date. He connected with students personally, effectively taught the curriculum and had fair evaluation tactics. A professor.
- It is rare for me to find a math teacher, or any teacher really, who can convey difficult concepts to their students so effectively. Professor Fernando is one such professor.
- explains well
- He is humor
- Sometimes he would over complicate things a bit, but overall he was very enthusiastic and did a good job teaching the material. Funny, and truly cares about the subject matter.
- Best professor I've had at Northeastern. Very enthusiastic and good lecturer.

## 1. Learning Related Questions

**Please comment on the strengths of this course and/or ways to improve this course.**

- Hard course, took a lot of studying to do well on the quizzes. I liked that the test tended to be less difficult than the quizzes and practice examples. There is also a lot of practice problems and review material to help you study.
- Professor Fernando made this class worthwhile, otherwise I would have most likely dropped the class.
- Hard class but the professor knows how to teach it perfectly.
- this course is great! the professor is great!
- Pretty standard Calc 3 course.
- In terms of the homework, assigning even numbered questions seems a bit unfair because the answer key for the book only gives answers to the odd questions and I don't want to be doing problems incorrectly and the only way I can tell if my answer is correct is from the answer key.
- Course covered material efficiently and effectively
- More specific homework assignments would be better
- This course is not recommended to take if you did not take Calculus 2 and/or Calculus 3 before due to challenging material.
- Overall, I thought that the lay out of this course was very good. The quizzes were helpful in gauging whether I was understanding things, without being worth too many points. In the future it may be helpful to spend a bit more time preparing for the second midterm, and to maybe have an in class review day like we did for the first, particularly since the second was more difficult.
- I think the course works well as it is and covers the material in a good order.

## 2. Instructor Related Questions: Waththage Fernando

**Describe instructor's strengths, areas for improvement, and any additional comments.**

- Very knowledgeable in the material and writes on the board really, really fast which is fun to watch. He posts a lot of review material which is very helpful in the course. He also attempts to keep the class interested by telling jokes.
- Professor Fernando is an absolutely incredible professor. If you take Calc 3 with him, you will, for sure, pass it at the very least.
- Great teacher, honestly one of the greatest teachers.
- funny and efficiency
- Fernando is amazing. He's an excellent professor; so, take this course with him.
- My favorite math professor at Northeastern. Fernando does an excellent job of explaining materials and giving examples to reinforce topics.
- Very enthusiastic and really appreciates his subject and class.
- He was very good at introducing the background of new ideas so we really understood the concept
- Professor knows material well and at the same time he is strict enough to students to make them study harder and be more responsible to the work assigned.
- Neranga was a very good professor for this course. At times he could be a bit hard to hear, and during some classes he went very quickly, but he was always happy to answer questions in class or in office hours. In terms of office hours, it would be helpful if he had held a wider variety of office hours.
- Professor Fernando taught the material in an easy to understand manner and went over a wide variety of problems in class. He also posted practice tests weeks in advance so that students could practice.
- Fernando is the best math professor I have had at Northeastern. He explains the material really well and connects concepts so they make more sense. His problem sheets are really helpful to study with, and his tests and quizzes are really fair. Also, he tells jokes in class.

## 1. Learning Related Questions

Please comment on the strengths of this course and/or ways to improve this course.

- This course is extremely challenging. I spent hours upon hours studying for quizzes. With that said, you get out what you put in. Do all the homeworks, as the quizzes closely resemble the quizzes. Plus, for midterms, study your homeworks and prior quizzes like mad. Also, practice whatever practice midterms are given to you, and snoop around and see if friends/classmates have old tests they could let you look at. Like I said, put in the time.
- Awesome course
- Lectures were incredibly effective.
- The quizzes were too difficult and the TA was a harsh grader.
- The pacing of the curriculum was very manageable and organized.
- Please provide better textbooks. The textbook was very difficult to understand and hardly helpful. It is too theoretical. <br/>The pace of the lecture should be slow. It gets very hard to listen and write at the same time.
- The syllabus was well organized and all content seemed relevant. Good course!
- Great course. The video lectures/examples integrated with the textbook were extremely helpful throughout the semester. It moves at a quick pace but keeping up with the homework and lectures makes the class completely doable.

## 2. Instructor Related Questions: Waththage Fernando

Describe instructor's strengths, areas for improvement, and any additional comments.

- Professor Fernando is extremely intelligent and knowledgeable in his field. As a result, he moves through material far too fast, especially in class examples. His grading TA is a butcher as well. Make sure you study hard. If you make mistake as small as adding an extra negative sign, that could slash your grade ten points. I know because it's happened. Just be aware.
- Awesome teacher with a lot of enthusiasm
- Best math teacher I've ever had.
- Professor Fernando is a great professor. His quizzes are too difficult though and the TA was a harsh grader.
- Professor Fernando has been an exceptional teacher, thanks to his ability to make everything so easy to understand. He is one of the few professors that motivates me to go to every single class. His energy and enthusiasm is evident in all of his lectures, and it sincerely does help in making the course a lot more enjoyable. Prof. Fernando encourages students to come to office hours for any additional help, and he is friendly and easy to approach, making it less intimidating to ask for help or questions. Overall, this class has probably been one of the best I've had the pleasure of taking as a student, and would not like anything changed about the class or Prof. Fernando's lectures.
- The Professor is very fast. It gets hard to catch if one thing is not understood clearly. Please reduce the pace a little and allow students to understand the material. <br/>Overall, the professor is understandable and friendly and tries of teach concepts to his best.
- PROFESSOR FERNANDO IS AMAZING. He's hands down the best professor I've had at Northeastern so far. He taught challenging concepts in a way that made them seem simple, and explained them well while also providing examples for further understanding. The quizzes and tests were fair and he posted tons of preparation materials online, so if you want to do well, you can. He's so knowledgeable about everything on the syllabus and beyond, so he could answer every question and always had office hours for extra help. Overall, SUCH a great professor and I would recommend him to anyone for any math course.
- Cannot recommend Fernando enough. He is extremely kind, intelligent, helpful, passionate and even occasionally funny. He was always approachable after class or in office hours if I was having trouble and he knows how to explain the material to his students. One small criticism would be to go through the intermediate steps of in class examples slower and more in depth, but overall just a fantastic, fantastic professor.
- Prof. Fernando is a phenomenal teacher who will help any student that needs it and treats everyone fairly and respectfully.
- An amazing Professor, Fernando is the best math professor at NEU. He explains everything in a very comprehensible way, and adds humor to lecture when he can.<br/>The only place for improvement would be during optimization and la grange he should provide a organized list of rules and exceptions, because rereading notes was not helpful in this section.
- His problem sheets and practice exams were more helpful than the textbook. Noticed the same thing in calc 2. I'm doing very well in the class and I did not even buy the text this time.<br/>Professor Fernando was amazing.
- Fernando is just about as good a Calc professor as you can get. Highly intelligent and knows his stuff to a T. Conveys concepts clearly (although it would have been nice if he had made the material a little more personable and not as if it were taken verbatim from the textbook) and answers questions thoroughly. The key to the class: pay attention in lecture, take neat, thorough notes, and, for the love of all that is holy, do your homework. I didn't

do terribly well and I can attribute that 100% to not doing my homework nearly as frequently as I should have.

## 1. Learning Related Questions

Please comment on the strengths of this course and/or ways to improve this course.

- Course is oversimplified
- Very good /thorough course. One weakness in speed material is taught at, but that is due to the nature of the course. Textbook not always helpful. Should work on adding more videos to the digital version of the textbook like in the calc 3 book--they were very helpful for that class and would be highly useful for this class. Would be more inclined to do the homework if more videos, and if answers were actually available for every section (many sections of book where "the department did not give [the professor] the answer key")
- n/a
- The teacher was the strength of this course
- The course offers everything I expected.
- There should be a recitation class associated with this course. Assign hw to be collected and graded. Allow professors to make exams for their class instead of having multiple professors teach for the same exam.
- Great course if you want to get to understand the basics of differential equations and linear algebra. The course tends to be challenging at some parts but overall fun.
- Overall the structure of this class was good. Personally, I needed to attend the lectures in order to comprehend all of the material. However, some of my classmates skipped the lectures and simply used the books to learn--it seemed to work for them. I did extremely well in this class and I feel it was solely from attending the lectures. I had to study significantly less for the exams due to attending the lectures because they were so effective.
- Sometimes a little boring class structure, but overall good course

## 2. Instructor Related Questions: Waththage Fernando

Describe instructor's strengths, areas for improvement, and any additional comments.

- He's great
- Prof. Fernando is an excellent professor all around. Really no complaints--clear, organized, timely etc. Only suggestion would be to explain new notation and terms as they come up and repeat definitions more often/brief review of concepts from last class at beginning of lecture. Greatest difficulty in course came from personal lag in interpreting notation since much of it was very new to me. Again, excellent professor otherwise. One of the best math teachers I've had
- Professor Fernando was fantastic, one of the best I have encountered at Northeastern. <br/><br/>In my opinion, he should be given his own, larger office, to accommodate for the number of students who take advantage of his office hours.
- Very clear and concise, not too quick, not too slow, enthusiastic and relaxed
- Fernando was very good at helping everyone understand the material. He went over example problems which I believe is most important when learning.
- make exams more like quizzes, or quizzes more like exams. Exams are long for the amount of time available to complete them.
- Professor Neranga is a great teacher. He really tries to explain the subject. Sometimes he uses a little too much deriving, which is extremely difficult to understand and which you will never use, but then, at least you know how you got to the formula. He is always available to students outside of classroom and attend his office hours as they are fun and you can actually learn other ways to solve problems, which, in my case, sometimes made more sense than what we have learned in class (how to "guess" the function for unit-step function etc.). Overall, great professor with enthusiasm for the course.
- Neranga is the best professor I have had by far at Northeastern. I have taken several math courses with him before, and he has continued to be an all-around rockstar of a professor. He is extremely knowledgeable and able to find different ways to teach and relate the course material to the students. Additionally, he was extremely helpful in clarifying concepts and resolving problems when I went to him during office hours. He was a great resource, readily available to help his students not only pass but succeed, and his jokes are hilarious. He makes attending 8am lectures completely worth it too!
- One of best teachers I've had at Northeastern. Was always prepared to teach, was funny and not strict. Helped students and provided numerous examples and problems to help us. Sometimes he did go a little fast and was tough to keep up with.
- The instructor was very smart, however his midterms and quizzes are a harder than other classes.
- explains and writes way too fast. He expects the students to grasp the concepts as fast as he would.
- Best math professor I've ever had. He's super smart and always knows what he's talking about. If you can't understand the material, he'll explain it to you again in a way that you can understand. He gives plenty of examples and doesn't try to trick you on any quizzes or tests -- he really wants you to learn the material.

## 1. Learning Related Questions

Please comment on the strengths of this course and/or ways to improve this course.

- I enjoyed this course very much, the end (linear algebra portion) I found more difficult, and we may have gone through it a little fast.
- Keep letting students do examples in class... great way to learn
- I learned a lot in this course. The curriculum was very organized and the lectures were very clear, but sometimes he went really fast. Still, the textbook gave good practice problems and the course wasn't too difficult.
- It felt a bit rushed, like we should have spent more time on some of the topics but did not have enough time to do so.
- Pretty easy to understand the way that things were taught. And excellent textbook
- Much easier course than calc three. Definitely applicable to engineering and makes sense to students as to how the concepts will be used in the future.
- Taking this course at the same time as two of my CHME classes where I need differential equations. The course did not prepare me with the skills I needed to succeed in those courses. Most other engineering majors use minimal DiffEq in their other courses, so it's not effective to lump us in and not give us the skills we need.
- Complex material, not truly necessary for IE's. 40% on the final exam is absolutely ridiculous. Almost half the semester comprised in two hours? Nonsensical.
- Having already taken Linear Algebra, the second half of this course was a less in depth version of a class that I already took. I would have liked for Linear Algebra to be a pre-requisite so the focus the entire semester could have been on Differential Equations.
- He is the best professor i ever had

## 2. Instructor Related Questions: Waththage Fernando

Describe instructor's strengths, areas for improvement, and any additional comments.

- Clearly loves math and wants his students to succeed. Would recommend to anyone and everyone - the best instructor I've had here so far.
- great teacher! goes a little fast
- He is clearly very knowledgeable and very prepared when he comes to class. His teaching style is very structured and organized. He can go a bit fast sometimes, but is always willing to answer questions and has plenty of office hours. His lectures are fairly easy to understand. Easily one of the best professors I've had so far.
- He is a great professor, the best I have had at Northeastern. He knows what he is doing and is respectful and fair.
- Very enthusiastic about the course. Made math pretty enjoyable to learn. Definitely one of the best if not the best math teacher I've ever had.
- Fernando is a great professor! The best math professor I've had yet. He stays on track and teaches the material quickly, effectively, and in a way that most students can understand. As long as students attended class, they would easily understand the material and wouldn't have to spend a ton of time outside of class doing work.
- Great at explaining the concepts behind the math, I feel like I developed a good understanding of the math that was expected of me. Enthusiastic about the subject and a funny guy. Overall, great instructor but ineffective course.
- Goes way to fast, would be great for an advanced course. Overall knows his material and has a great relationship with students.
- This was my second time taking a class with Professor Fernando. He is easily one of the best professors at Northeastern. He is a phenomenal teacher.
- He is perfect
- The instructor was great at explaining material and making sure that everybody understands the concepts taught in class. It was a very challenging class because the material was covered at a very fast pace. The material wasn't difficult to understand, but the amount of material given at once was hard to keep up with. The book chosen for the class was not useful at all, and instructor's explanations were the only thing that made the course possible.<br/>Overall, Professor Fernando is a great instructor.
- One of Northeastern's best professors. Moves quickly and explains things fully, and always pauses briefly to give students the opportunity to ask questions. Communicates very effectively and goes over many examples. He always writes down important information and gives ample time to copy it down.
- My only complaint is the professor speeds through problems. It would be great if we were given more time to try the problems ourselves and then go over it with him. His strength is that he is capable of teaching the material in a simple and effective way. The practice problems he gives are very helpful and he is always willing to assist

any student who is struggling. I recommend this professor to everyone!

- I've took a few math courses with professor Fernando, and I believe he is one of the best professors in NU. His lectures are clear, plus professor is always willing to extend office hour when students need help. Will recommend all my friends to take his class.



## 1. Learning Related Questions

**Please comment on the strengths of this course and/or ways to improve this course.**

- I would recommend focusing on statistical applications in engineering. The word problems should be more focused on actual issues we may solve in the world.
- There was a lot of good material in the course. The problem is that the prerequisites didn't seem to properly prepare me for it. Much of the material included topics barely touched on at the end of calculus 2 and touched on at the start of calculus 3. The longer I was in the class, the more it seemed like I was supposed to know all of that information off-hand.<br/><br/>Especially with such a fast pace course that involves much memorization, using a cheatsheet on quizzes for formulas starting earlier would have been immensely useful. This only started about half way in, but the first half had plenty of formulas and concepts to memorize without a cheatsheet.
- The professor was very friendly and taught well.
- The syllabus is well thought out, however in the summer there isn't much time to have examples of applications. The material is very straightforward though so understanding how to apply it is not very difficult.

## 2. Instructor Related Questions: Waththage Fernando

**Describe instructor's strengths, areas for improvement, and any additional comments.**

- Professor Fernando was an exceptional lecturer for this course. The course contains several difficult concepts to both comprehend and apply and he was able to take these challenges and present them in a way that helped my understanding. Hands down he is the best math professor at Northeastern!
- The instructor is very passionate about the subject and very knowledgeable. However, he taught at a very quick pace, even for the summer course. With covering several off-syllabus sections, we managed to finish the syllabus with over a week and half remaining in the course. It was not uncommon to cover 4-5 sections in one class.<br/><br/>Also, not potentially an issue with the teacher but with graders, more feedback would be appreciated. Many of my quizzes handed back simply had answers marked as wrong without getting into why or where I went wrong. Partial credit was given, but again, not much rhyme or reason could be detected.
- The professor was very friendly and taught well. He was very adept at making us feel comfortable which created a great learning environment.
- He is the best professor I've had at Northeastern. Very enthusiastic about math and has a great sense of humor. Regardless of your competency in the subject matter, he will make sure you learn the material.
- Great teacher
- One of the best professors in Northeastern, hands down.
- one of the best if not already the best in the math department
- This professor is awesome. We've had some interesting debates in this class and generally had a lot of fun while learning probability and statistics.
- Enthusiastic, funny, and informative professor. Except sometimes he needs to slow down his pace when answering questions, so he can fully understand what a student's question is.
- Strengths: dry sense of humor, very knowledgeable on the material. Sometimes ambiguous questions caused confusion, but I can't see this being improved but through trial and error.

Instructor: Fernando, Waththage  
Subject: MATH  
Catalog & Section: 1252, 01

Course Title: Calculus Diff Eq - Biology 2  
Enrollment: 6 Responses Incl Declines: 4  
(Declined: 0)

## 1. Learning Related Questions

**Please comment on the strengths of this course and/or ways to improve this course.**

- This course was intellectually challenging, the textbook was useful for almost the entirety of the course since very few practice problems were given by the professor. So one improvement I would suggest is to give students a lot more practice problems for the sections in the syllabus that aren't in the textbook.

## 2. Instructor Related Questions: Waththage Fernando

**Describe instructor's strengths, areas for improvement, and any additional comments.**

- Fernando was an excellent professor. He was able to answer any questions posed about the subject, able to explain any of the concepts in detail, was willing to take harder concepts slowly. I wish he has been a little more accessible out side of class. He had office hours, but they were always during my other summer 2 class, so I could never go. Other than that, excellent in every way.
- Fernando is without a doubt one of the greatest professors here at Northeastern. He has clear mastery with the field, a true love for mathematics, and the ability to maintain a great educational environment. Despite it being an 8am math class, and me being the polar opposite of a morning person, I somehow found myself always looking forward to class. I wish more math classes were as engaging as this one and for math joke to one day become a widespread phenomenon.

## Calculus 3 for Sci/Engr (201710: Fall 2016)

Instructor: **Fernando, Waththage**  
 Section: **05**  
 Course Title: **Calculus 3 for Sci/Engr**  
 Course ID: **14687**  
 Subject: **MATH**

Enrollment: **46**  
 Responses Incl Declines: **27**  
 Declines: **1**  
 Department: **Mathematics**  
 Number: **2321**

### Course Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
The syllabus helped me to learn.	26	56%	4.4	5.0
The textbook(s) helped me to learn.	26	56%	4.2	4.0
The materials posted online, including Blackboard, helped me to learn.	26	56%	4.3	4.0
The out-of-class assignments and fieldwork helped me to learn.	26	56%	4.2	4.0
The lectures helped me to learn.	26	56%	4.7	5.0
The in-class discussions and activities helped me to learn.	26	56%	4.5	5.0
The classroom technology helped me to learn.	26	56%	3.9	4.0
I found this course intellectually challenging.	26	56%	4.4	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Learning Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
I learned a lot in this course.	26	56%	4.7	5.0
I learned to apply course concepts and principles.	26	56%	4.5	5.0
I developed additional skills in expressing myself orally and in writing.	26	56%	4.0	4.0
I learned to analyze and evaluate ideas, arguments, and points of view.	26	56%	4.1	4.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Related Questions: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
The instructor possessed the basic communication skills necessary to teach the course.	26	56%	4.8	5.0
The instructor clearly communicated ideas and information.	26	56%	4.7	5.0
The instructor clearly stated the objectives of the course.	26	56%	4.7	5.0
The instructor covered what was stated in the course objectives and syllabus.	26	56%	4.8	5.0
The instructor came to class prepared to teach.	26	56%	4.9	5.0
The instructor used class time effectively.	26	56%	4.9	5.0
The instructor provided sufficient feedback.	26	56%	4.5	5.0
The instructor fairly evaluated my performance.	26	56%	4.7	5.0
The instructor is someone I would recommend to other students.	26	56%	4.7	5.0
The instructor treated students with respect.	26	56%	4.9	5.0
The instructor acknowledged and took effective action when students did not understand the material.	26	56%	4.7	5.0
The instructor was available to assist students outside of class.	26	56%	4.8	5.0
The instructor displayed enthusiasm for the course.	26	56%	4.9	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Effectiveness: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
What is your overall rating of this instructor's teaching effectiveness?	26	56%	4.8	5.0

Note: 5:Almost Always Effective; 4:Usually Effective; 3:Sometimes Effective; 2:Rarely Effective; 1:Never Effective;

## Learning Related Questions (5 comments)

### Q: Please comment on the strengths of this course and/or ways to improve this course.

- The math for engineers is probably the best department I've experienced at Northeastern so far, and Calc 3 for Engineers was no exception.
- I enjoyed but have struggled with Calc 3 and I want to attribute it to the fact that I am in an 8am section. Otherwise I feel that this course would be very manageable. Additionally I feel that the instructor for this course is very kind and effectively teaches all of the material and goes out of his way to help his students with his availability and problem sheets he creates. Very enthusiastic about student success.
- The course was well organized & well taught.
- All is great.
- The course is well-organized and does not feel rushed at all.

## Instructor Related Questions: Waththage Fernando (16 comments)

### Q: Describe instructor's strengths, areas for improvement, and any additional comments.

- Fernando is the best. He's literally a blessing. You can tell how much he cares about the material and having the students learn. He was always enthusiastic and extremely helpful. He made learning calc easy and fun.

- 
- 2 Extremely GOOOOOOOOD
- 
- 3 Similar to above.
- 
- 4 Professor Fernando was a very effective Calc 3 professor. He communicated concepts clearly and went over examples in class. I highly recommend him.
- 
- 5 Fernando knows so much, it's crazy. Sometimes he will go through a little quickly but it's necessary for us to go over material outside of class anyway.
- 
- 6 Probably the best Math professor I have had through 3 years at northeastern
- 
- 7 I thought the instructor was well prepared and knowledgeable of the topic he was teaching. He conveyed the material clearly and was always available for extra help. Professor Fernando came prepared to teach and effectively used his time. He made sure that the students had the resources to succeed and was willing to spend more time on more challenging topics.
- 
- 8 Instructor was amazing! Recommended to me by a friend and I was so pleased with the teaching style of the professor. Would not have learned as effectively with another professor. Wish I could have this professor for every math course I have to take.
- 
- 9 Funny, great, kind and respectful person
- 
- 10 Professor Fernando is quite simply the best teacher I have ever had. He is hilarious and makes learning math fun and enjoyable. We get through all of the necessary material without feeling rushed, and he is always more than willing to take questions and provide students with extra help. I highly recommend Professor Fernando for any math course he teaches; you will not regret it.
- 
- 11 The professor always came to class very prepared. There was never any doubt about material we were responsible to learn. The quizzes and tests were returned promptly.
- 
- 12 Very fast lecturer, often hard to keep up with
- 
- 13 Professor Fernando is a passionate individual. He genuinely cares about his students' understanding of the class and success. He is a very clear instructor and is always available outside of class. Fernando often stops to check to make sure students are understanding and gives the opportunity for questions. The class runs quickly and he uses every second possible. Many examples are given which really help for studying. Fernando is not an easy professor but very fair. Work needs to be put in for a good grade.
- 
- 14 All is great.
- 
- 15 Goes a little fast but otherwise fantastic teacher.
- 
- 16 LOVED THIS PROFESSOR. If you need to take calc 3, take it with this professor. He wants you to learn and succeed (unlike most math profs at nu....). He is by far my favorite professor at northeastern.

## Calculus 3 for Sci/Engr (201710: Fall 2016)

Instructor: **Fernando, Waththage**  
 Section: **10**  
 Course Title: **Calculus 3 for Sci/Engr**  
 Course ID: **13053**  
 Subject: **MATH**

Enrollment: **75**  
 Responses Incl Declines: **50**  
 Declines: **1**  
 Department: **Mathematics**  
 Number: **2321**

### Course Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
The syllabus helped me to learn.	49	65%	4.5	5.0
The textbook(s) helped me to learn.	49	65%	4.0	4.0
The materials posted online, including Blackboard, helped me to learn.	49	65%	4.6	5.0
The out-of-class assignments and fieldwork helped me to learn.	49	65%	4.4	4.0
The lectures helped me to learn.	49	65%	4.6	5.0
The in-class discussions and activities helped me to learn.	49	65%	4.5	5.0
The classroom technology helped me to learn.	49	65%	4.2	5.0
I found this course intellectually challenging.	49	65%	4.5	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Learning Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
I learned a lot in this course.	49	65%	4.5	5.0
I learned to apply course concepts and principles.	49	65%	4.5	5.0
I developed additional skills in expressing myself orally and in writing.	49	65%	4.1	4.0
I learned to analyze and evaluate ideas, arguments, and points of view.	49	65%	4.4	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Related Questions: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
The instructor possessed the basic communication skills necessary to teach the course.	49	65%	4.7	5.0
The instructor clearly communicated ideas and information.	49	65%	4.6	5.0
The instructor clearly stated the objectives of the course.	49	65%	4.6	5.0
The instructor covered what was stated in the course objectives and syllabus.	48	64%	4.7	5.0
The instructor came to class prepared to teach.	48	64%	4.8	5.0
The instructor used class time effectively.	49	65%	4.7	5.0
The instructor provided sufficient feedback.	49	65%	4.5	5.0
The instructor fairly evaluated my performance.	49	65%	4.6	5.0
The instructor is someone I would recommend to other students.	49	65%	4.6	5.0
The instructor treated students with respect.	49	65%	4.7	5.0
The instructor acknowledged and took effective action when students did not understand the material.	49	65%	4.6	5.0
The instructor was available to assist students outside of class.	49	65%	4.7	5.0
The instructor displayed enthusiasm for the course.	49	65%	4.7	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Effectiveness: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
What is your overall rating of this instructor's teaching effectiveness?	49	65%	4.7	5.0

Note: 5:Almost Always Effective; 4:Usually Effective; 3:Sometimes Effective; 2:Rarely Effective; 1:Never Effective;

## Learning Related Questions (11 comments)

### Q: Please comment on the strengths of this course and/or ways to improve this course.

- 1 This course was great! My professor couldn't have done a better job. The material was clearly presented in class and made it easy to do the homework and figure problems out if you took good notes.
- 2 very well organized, he followed the syllabus exactly
- 3 This course has great structure and the topics flow well. It covers a lot of material, but since Professor Fernando kept pace with the syllabus it is doable. The problem sheets he provides are very helpful to understanding the material.
- 4 Make homework mandatory and a section of the class grade!
- 5 Strength in this course was definitely that of Professor Fernando and his ability to teach a difficult concept in a somewhat easy manner.
- 6 This course's pace is good. Take it seriously.
- 7 I was told that this course covered even more material this semester and it felt like we crammed a lot into a short amount of time. I don't know if it's possible to take parts of the curriculum out, but as someone who does well in math and also enjoys the subject, I felt like the course was rushed and packed too much in to the point of over-saturation.
- 8 Textbook needs to be a little more clear
- 9 Challenging course, however in-class worksheets really helped me understand the nature of questions and what they are really asking for. This helped prepare me for the tests and final exams since I was used to how the questions were written
- 10 Good course.

11 The course can be challenging but overall it wasn't too bad if you put effort into the class.

Instructor Related Questions: Waththage Fernando (14 comments)

**Q: Describe instructor's strengths, areas for improvement, and any additional comments.**

- 1 it was an absolute pleasure to take his course
- 2 Humorous, smart, sarcastic, caring. Professor explains the material well. He reaches out to you, always gives you a chance to improve. He is also very respectful. You are in good hands!
- 3 Great professor, knowledgeable and interacts with the students. Communication allows a more approachable environment for expressing doubts and concerns. Classes are not boring and are instead very engaging.
- 4 The best professor I have had at Northeastern. Loves to teach and is great at it
- 5 He has excellent knowledge of the material, however, he goes through it too fast
- 6 He is a great professor. He explains the material well and goes out of his way to help his students do well. I would definitely recommend him.
- 7 Professor Fernando's lectures were always clear and to the point, providing plenty of examples to help students understand the material. Only minor complaint is that he writes incredibly quickly, and students often have to play catch up to get all the notes down. If you're capable of this however, he's a fantastic teacher that I'd recommend to others.
- 8 The professor was one of the best I've ever had. He was extremely fair and understanding as well as able to very clearly communicate the topics. When a subject was confusing he found different ways to explain it so that I could understand.
- 9 Professor Fernando is an amazing lecturer and uses class time effectively. He goes fast but he covers the material very thoroughly so that it is completely understandable. I would definitely recommend students take this class with him.
- 10 Best math teacher I've had.
- 11 Great professor and very accommodating. Going to office hours is very helpful.
- 12 Professor Fernando was a great, enthusiastic professor with a unique sense of humor. He is definitely someone I would recommend to other students, but beware: he moves very quickly through material.
- 13 Teaches in a way where everyone can understand
- 14 Excellent Professor.



## Calculus 3 for Sci/Engr (201730: Spring 2017)

Instructor: **Fernando, Waththage**  
 Section: **02**  
 Course Title: **Calculus 3 for Sci/Engr**  
 Course ID: **30810**  
 Subject: **MATH**

Enrollment: **41**  
 Responses Incl Declines: **27**  
 Declines: **0**  
 Department: **Mathematics**  
 Number: **2321**

### Course Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
The syllabus helped me to learn.	27	65%	4.5	5.0
The textbook(s) helped me to learn.	27	65%	4.2	5.0
The materials posted online, including Blackboard, helped me to learn.	27	65%	4.6	5.0
The out-of-class assignments and fieldwork helped me to learn.	27	65%	4.3	5.0
The lectures helped me to learn.	27	65%	4.9	5.0
The in-class discussions and activities helped me to learn.	27	65%	4.8	5.0
The classroom technology helped me to learn.	27	65%	4.3	5.0
I found this course intellectually challenging.	27	65%	4.6	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Learning Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
I learned a lot in this course.	27	65%	4.8	5.0
I learned to apply course concepts and principles.	27	65%	4.8	5.0
I developed additional skills in expressing myself orally and in writing.	27	65%	4.3	5.0
I learned to analyze and evaluate ideas, arguments, and points of view.	27	65%	4.6	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Related Questions: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
The instructor possessed the basic communication skills necessary to teach the course.	27	65%	4.9	5.0
The instructor clearly communicated ideas and information.	27	65%	4.8	5.0
The instructor clearly stated the objectives of the course.	27	65%	4.9	5.0
The instructor covered what was stated in the course objectives and syllabus.	27	65%	4.9	5.0
The instructor came to class prepared to teach.	27	65%	5.0	5.0
The instructor used class time effectively.	26	63%	5.0	5.0
The instructor provided sufficient feedback.	27	65%	4.7	5.0
The instructor fairly evaluated my performance.	27	65%	4.8	5.0
The instructor is someone I would recommend to other students.	27	65%	4.9	5.0
The instructor treated students with respect.	27	65%	4.9	5.0
The instructor acknowledged and took effective action when students did not understand the material.	27	65%	4.6	5.0
The instructor was available to assist students outside of class.	27	65%	4.7	5.0
The instructor displayed enthusiasm for the course.	27	65%	4.9	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Effectiveness: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
What is your overall rating of this instructor's teaching effectiveness?	27	65%	4.8	5.0

Note: 5:Almost Always Effective; 4:Usually Effective; 3:Sometimes Effective; 2:Rarely Effective; 1:Never Effective;

## Learning Related Questions (6 comments)

### Q: Please comment on the strengths of this course and/or ways to improve this course.

- 1 This course flows well and covers a lot of topics. Generally, the resources given provide you with everything you need to know for the exams.
- 2 It is a very very difficult class. It is extremely difficult to understand conceptually, especially to visualize everything in 3 dimensions. But a very interesting class nonetheless.
- 3 Calc 3 is really interesting and has a lot of applications!
- 4 This course was taught in a very intelligent way where we had lecture, and after each concept in lecture was taught, we faced a problem demonstrating that specific concept.
- 5 All of the in class examples are really helpful!
- 6 Course Works well

## Instructor Related Questions: Waththage Fernando (9 comments)

### Q: Describe instructor's strengths, areas for improvement, and any additional comments.

1 Definitely one of the best teacher's I have ever had. He only focuses on what you need to know, and teaches it perfectly thoroughly and efficiently. He shows all the different ways to answer problems and answers all questions very well. He prepares his students very well for the tests. He is funny, and makes the class enjoyable.

---

2 His only area for improvement is that his jokes could be better.

Definitely the best math teacher I've ever had

---

3 Fernando is the best professor I ever had. He has good teaching skills, nice and humorous. He makes calculus funny and happy. Respect students and answer their questions helpfully. Very passionate about teaching and have proficient knowledge. Overall quality is awesome!!

---

4 I have never ever had a professor use time as efficiently as Fernando. He squeezes every minute out of the 65 minutes of class time by going over the notes thoroughly and then doing many practice problems on the board. Amazing teacher who is also pretty funny.

---

5 Fernando is a great math professor. Although he doesn't allow any cheat sheets on quizzes he goes through the material thoroughly and if you every don't understand he is always available at office hours and even special hours during the week (very accommodating). Im completing Calc 3 and am confident that I did better in this course than Calc 2 thanks to Fernando. His lectures are very straightforward with the content and he passes out practice problem sheets that he works on in class which really helps to grasp all concepts. Also likes to joke around a lot. Definitely recommend Fernando for any math course at Northeastern.

---

6 Fernando is an excellent teacher who I would recommend to anyone! He is passionate about his class and makes a lot funny jokes.

---

7 Fernando was 100% there to help me when I went to his office hours, and he has been an awesome person throughout the entire year. Not only that, but he is very capable at teaching Calculus, which saved a lot of time in lectures. It saved time because he always had an answer ready for any questions that students had.

---

8 Explain things very clearly, great humor, make things challenging but not impossible

---

9 One of the best professors I have had at the university

## Calculus 3 for Sci/Engr (201710: Fall 2016)

Instructor: **Fernando, Waththage**  
 Section: **24**  
 Course Title: **Calculus 3 for Sci/Engr**  
 Course ID: **15717**  
 Subject: **MATH**

Enrollment: **19**  
 Responses Incl Declines: **12**  
 Declines: **1**  
 Department: **Mathematics**  
 Number: **2321**

### Course Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
The syllabus helped me to learn.	11	57%	4.8	5.0
The textbook(s) helped me to learn.	11	57%	4.2	4.0
The materials posted online, including Blackboard, helped me to learn.	11	57%	4.7	5.0
The out-of-class assignments and fieldwork helped me to learn.	11	57%	4.8	5.0
The lectures helped me to learn.	11	57%	4.9	5.0
The in-class discussions and activities helped me to learn.	11	57%	4.9	5.0
The classroom technology helped me to learn.	11	57%	5.0	5.0
I found this course intellectually challenging.	11	57%	4.5	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Learning Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
I learned a lot in this course.	11	57%	4.9	5.0
I learned to apply course concepts and principles.	11	57%	4.9	5.0
I developed additional skills in expressing myself orally and in writing.	11	57%	5.0	5.0
I learned to analyze and evaluate ideas, arguments, and points of view.	11	57%	5.0	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Related Questions: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
The instructor possessed the basic communication skills necessary to teach the course.	11	57%	4.9	5.0
The instructor clearly communicated ideas and information.	11	57%	4.9	5.0
The instructor clearly stated the objectives of the course.	11	57%	4.9	5.0
The instructor covered what was stated in the course objectives and syllabus.	11	57%	4.9	5.0
The instructor came to class prepared to teach.	11	57%	4.9	5.0
The instructor used class time effectively.	11	57%	4.9	5.0
The instructor provided sufficient feedback.	11	57%	4.9	5.0
The instructor fairly evaluated my performance.	10	52%	4.8	5.0
The instructor is someone I would recommend to other students.	11	57%	4.9	5.0
The instructor treated students with respect.	11	57%	4.9	5.0
The instructor acknowledged and took effective action when students did not understand the material.	11	57%	4.9	5.0
The instructor was available to assist students outside of class.	11	57%	4.9	5.0
The instructor displayed enthusiasm for the course.	11	57%	4.9	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Effectiveness: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
What is your overall rating of this instructor's teaching effectiveness?	11	57%	4.7	5.0

Note: 5:Almost Always Effective; 4:Usually Effective; 3:Sometimes Effective; 2:Rarely Effective; 1:Never Effective;

## Learning Related Questions (3 comments)

### Q: Please comment on the strengths of this course and/or ways to improve this course.

- 1 This is my favorite class I've taken so far at Northeastern
- 2 The second part of the course is the most intellectually challenging, but at the same time is the most interesting one. Great class.
- 3 Great Professor, Great Class

## Instructor Related Questions: Waththage Fernando (5 comments)

### Q: Describe instructor's strengths, areas for improvement, and any additional comments.

- 1 I'm not even kidding when I say he's the best professor I've literally ever had. The onnnnnly thing is when he says a quiz was easy, I worry it may make people feel bad if they didn't do well on it. But truly the coolest, kindest, most competent prof and guy ever.
- 2 One of the best math teachers I have ever had, if not the best. Fastest handwriting also. If you want to learn and also have a fair teacher taking about quizzes and test take him. You will learn a lot and also have fair test (not super easy nor super hard). Challenging material.
- 3 Best prof at NEU
- 4 Absolutely amazing professor, the best math teacher I've ever had. You'd be a fool not to take his class.

5 I like professor so much. He is such a great guy and great teacher. I would love to take his course again if I have a chance

## Diff Eq and Lin Alg for Engr (201730: Spring 2017)

Instructor: **Fernando, Waththage**  
 Section: **06**  
 Course Title: **Diff Eq and Lin Alg for Engr**  
 Course ID: **30019**  
 Subject: **MATH**

Enrollment: **54**  
 Responses Incl Declines: **35**  
 Declines: **0**  
 Department: **Mathematics**  
 Number: **2341**

### Course Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
The syllabus helped me to learn.	35	64%	4.4	4.0
The textbook(s) helped me to learn.	35	64%	4.2	4.0
The materials posted online, including Blackboard, helped me to learn.	35	64%	4.7	5.0
The out-of-class assignments and fieldwork helped me to learn.	35	64%	4.3	4.0
The lectures helped me to learn.	35	64%	4.6	5.0
The in-class discussions and activities helped me to learn.	35	64%	4.4	4.0
The classroom technology helped me to learn.	35	64%	4.1	4.0
I found this course intellectually challenging.	35	64%	4.3	4.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Learning Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
I learned a lot in this course.	35	64%	4.7	5.0
I learned to apply course concepts and principles.	35	64%	4.5	5.0
I developed additional skills in expressing myself orally and in writing.	35	64%	3.6	3.0
I learned to analyze and evaluate ideas, arguments, and points of view.	35	64%	4.2	4.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Related Questions: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
The instructor possessed the basic communication skills necessary to teach the course.	35	64%	4.7	5.0
The instructor clearly communicated ideas and information.	35	64%	4.6	5.0
The instructor clearly stated the objectives of the course.	35	64%	4.7	5.0
The instructor covered what was stated in the course objectives and syllabus.	35	64%	4.8	5.0
The instructor came to class prepared to teach.	35	64%	4.9	5.0
The instructor used class time effectively.	35	64%	4.8	5.0
The instructor provided sufficient feedback.	35	64%	4.4	5.0
The instructor fairly evaluated my performance.	35	64%	4.7	5.0
The instructor is someone I would recommend to other students.	35	64%	4.6	5.0
The instructor treated students with respect.	35	64%	4.8	5.0
The instructor acknowledged and took effective action when students did not understand the material.	35	64%	4.4	5.0
The instructor was available to assist students outside of class.	35	64%	4.6	5.0
The instructor displayed enthusiasm for the course.	35	64%	4.9	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Effectiveness: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
What is your overall rating of this instructor's teaching effectiveness?	35	64%	4.7	5.0

Note: 5:Almost Always Effective; 4:Usually Effective; 3:Sometimes Effective; 2:Rarely Effective; 1:Never Effective;

## Learning Related Questions (7 comments)

### Q: Please comment on the strengths of this course and/or ways to improve this course.

- 1 No written aspect. All tests and quizzes. Maybe make homework mandatory to add more grades.
- 2 yes
- 3 I think that this is a very solid introduction to DiffEq. and Linear Algebra, though the Math Geek inside me says to make it more in depth.
- 4 I would recommend flipping the differential equations and the linear algebra. It was frustrating to take a two month break from topics such as laplace and have to relearn it for the final.
- 5 This class was run very well
- 6 It's kind of confusing or abrupt that differential equations and linear algebra are taught in the same course, but I feel both topics were gone over sufficiently. The only difficult part was that when it came to the final, we hadn't discussed differential equations for weeks, and I had to refresh my memory.
- 7 This class was well organized and was a tough class.

## Instructor Related Questions: Waththage Fernando (15 comments)

### Q: Describe instructor's strengths, areas for improvement, and any additional comments.



- 1 Prof. Fernando is the best professor I have had at Northeastern. He is able to translate the material well to students and has an incredible capacity for teaching. He is approachable and very helpful with any questions. He does go quickly through the material, but he always makes sure students understand the material. Besides, with his superior teaching skills, the speed at which he goes through the material is unimportant. He truly is an incredible professor.
- 2 Fernando is one of the best math teachers I have ever had. He definitely enjoys teaching the class very much and understands the topics in depth. If a question is asked, he will give a very detailed answer that can benefit everyone in the class, not just the person asking the question.
- 3 Very knowledgeable and loves the topic, but he should drop more than one quiz when every other Diff Eq drops 2 quizzes. Thats not fair.
- 4 Posts lots of past final exams as well as the solutions to the homework problems so that one can practice a lot!
- 5 Fernando is one of the best math teachers I have had at Northeastern. He is very thorough in explaining concepts and does a lot of practice problems to help the class understand the material better.
- 6 I took calc 3 with professor Fernando last semester as well as Diff Eq this semester and I have never learned math so well as in his class.
- 7 yes
- 8 Gives plenty of examples in lecture, very clear, very fair
- 9 He goes over the material much too fast leaving the lower students to be completely lost in the course.
- 10 Always a pleasure to take a class with Prof. Fernando
- 11 Professor Fernando moved a little fast at times but was good at breaking down each sections
- 12 Best teacher i've ever had
- 13 Professor Fernando was a great teacher
- 14 He was very enthusiastic and capable of teaching the course. I feel that all topics were covered sufficiently, and there was time left over at the end of the semester to review. I felt he really wanted students to succeed, and thoroughly answered any questions we had.
- 15 Neranga is certainly the greatest math professor I've ever had in my life !!! This guy is amazing! Everyone loves him , and he simply made us all love math this semester !!! Hats off for neranga

## Linear Algebra (201760: Summer 2 2017)

Instructor: **Fernando, Waththage**  
 Section: **01**  
 Course Title: **Linear Algebra**  
 Course ID: **60053**  
 Subject: **MATH**

Enrollment: **40**  
 Responses Incl Declines: **12**  
 Declines: **0**  
 Department: **Mathematics**  
 Number: **2331**

### Course Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
The syllabus helped me to learn.	12	30%	4.2	4.0
The textbook(s) helped me to learn.	12	30%	4.3	4.5
The materials posted online, including Blackboard, helped me to learn.	12	30%	4.4	4.0
The out-of-class assignments and fieldwork helped me to learn.	12	30%	4.5	5.0
The lectures helped me to learn.	12	30%	4.8	5.0
The in-class discussions and activities helped me to learn.	12	30%	4.4	5.0
The classroom technology helped me to learn.	12	30%	3.6	3.0
I found this course intellectually challenging.	12	30%	3.9	4.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Learning Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
I learned a lot in this course.	12	30%	4.8	5.0
I learned to apply course concepts and principles.	12	30%	4.3	4.5
I developed additional skills in expressing myself orally and in writing.	12	30%	4.2	5.0
I learned to analyze and evaluate ideas, arguments, and points of view.	12	30%	4.5	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Related Questions: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
The instructor possessed the basic communication skills necessary to teach the course.	12	30%	4.8	5.0
The instructor clearly communicated ideas and information.	12	30%	4.8	5.0
The instructor clearly stated the objectives of the course.	12	30%	4.8	5.0
The instructor covered what was stated in the course objectives and syllabus.	12	30%	4.7	5.0
The instructor came to class prepared to teach.	12	30%	5.0	5.0
The instructor used class time effectively.	12	30%	4.9	5.0
The instructor provided sufficient feedback.	12	30%	4.8	5.0
The instructor fairly evaluated my performance.	12	30%	4.9	5.0
The instructor is someone I would recommend to other students.	12	30%	5.0	5.0
The instructor treated students with respect.	12	30%	5.0	5.0
The instructor acknowledged and took effective action when students did not understand the material.	12	30%	4.6	5.0
The instructor was available to assist students outside of class.	12	30%	4.8	5.0
The instructor displayed enthusiasm for the course.	12	30%	4.8	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Effectiveness: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
What is your overall rating of this instructor's teaching effectiveness?	12	30%	4.8	5.0

Note: 5:Almost Always Effective; 4:Usually Effective; 3:Sometimes Effective; 2:Rarely Effective; 1:Never Effective;

## Learning Related Questions (6 comments)

### Q: Please comment on the strengths of this course and/or ways to improve this course.

- 1 No.
- 2 I think more proofs on the tests would have been good. Some were pretty cool.
- 3 This may be more of a teaching style thing, but I think it would be very helpful to spend a bit more time on developing students' intuition regarding the mathematical concepts discussed, especially because linear algebra does have nice ways to explain a lot of its concepts geometrically. For instance we never really learned the geometric meaning of the determinant, and though we did touch on geometric meanings for major concepts, I gained a much better intuition for them by watching youtube videos. (I honestly recommend suggesting this video series on Youtube called The Essence of Linear algebra, as a very good outside source for developing intuition about most of the concepts discussed)
- 4 I usually got really bored in class because we always did the same thing over and over again. The professor should spend more time on explaining the application of the topics covered. A lot of the topics explained felt very pointless. Other than that, the class was very straight forward.
- 5 The tests were a bit overwhelming because they were so close together. It's unavoidable because it's a summer semester, but putting them on Mondays vs. Thursdays may help because then at least you have the weekend to study.
- 6 more time could have been spent on the abstract concepts, but in general, the material was interesting

Instructor Related Questions: Waththage Fernando (8 comments)

**Q: Describe instructor's strengths, areas for improvement, and any additional comments.**

- 1 He is a good professor.
- 2 Fast paced lectures, sometimes assumed knowledge of math that I hadn't been exposed to... An excellent course.
- 3 As many math professors do, makes small assumptions about what students know and skips certain steps or moves too fast, which in the end costs more time and is less good for learning. (Not saying everything should be spelled out explicitly but I think most math professors could stand to shift their balance a bit more towards being explicit) Strengths are that he states things very clearly, and writes them clearly on the board, making it easy to take notes. Explains things well. However, I think he should give more examples, at the right times. I think he should ask more questions of the class and interact with them more, which can be annoying I know because students can be non-responsive, but it is also a skill to cultivate an environment where students will actually respond. I think asking questions of students and having them try examples would give him better information about the pulse of the class and where they're at, which would allow him to teach more to fill in the conceptual gaps. Sometimes he gives examples for simple things that I think probably most of us got, and leaves out examples for more complex things. He seems good at adapting to the needs of the class so I think it would be particularly useful to him to have that information about the needs of the class, through interacting with them more. He has a very good sense of humor and is clearly very enthusiastic about what he teaches. Clearly cares about the students learning. Final note is that he could sometimes benefit from being less formal, and giving more conceptual 'english' explanations to motivate or preface his formalizations on the board, since at the speed he moves, it is easy to get lost in the formal language and lose your hold on where the explanation is going. Of course, sometimes being more formal and less conceptual is appropriate, so I think this goes back again to being able to get more of a sense of where the class is at through their interaction so he can calibrate to what is appropriate for the situation. Overall, though a good professor.
- 4 The professor was very clear on the concepts. However, he could have given more feedback on the quizzes, so that we knew why we lost the points.
- 5 Professor Fernando is an incredible teacher and an awesome person to get to know! He is always enthusiastic, makes class time go by very quickly with an effective teaching style that lets students internalize the material with practice problems. He is always happy to answer problems and will make sure to follow up on a question if he is not sure of an answer on the spot. When he had a TA grade the tests and students complained of too many points taken off or points taken incorrectly, Professor Fernando was quick to correct the situation and always looked over future test grading to double check that there were no errors. Overall, Professor Fernando was an incredible instructor and I hope to take his class again!
- 6 His enthusiasm inspired me.
- 7 Dr. Fernando is the best math professor I've ever had at Northeastern. His lectures helped me understand some of the more difficult topics in the course with ease, and he made linear algebra one of my favorite courses that I've taken to date. I wish I could take every math class with him. The 8am section time was more than worth it just to have him as a professor.
- 8 His lectures are helpful but there are too many proofs; it could be better if he combines more problem-solving and concepts,

## Group Theory (201760: Summer 2 2017)

Instructor: **Fernando, Waththage**  
 Section: **01**  
 Course Title: **Group Theory**  
 Course ID: **60966**  
 Subject: **MATH**

Enrollment: **14**  
 Responses Incl Declines: **7**  
 Declines: **0**  
 Department: **Mathematics**  
 Number: **3175**

### Course Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
The syllabus helped me to learn.	7	50%	4.4	4.0
The textbook(s) helped me to learn.	7	50%	3.9	4.0
The materials posted online, including Blackboard, helped me to learn.	7	50%	4.3	4.0
The out-of-class assignments and fieldwork helped me to learn.	7	50%	4.3	4.0
The lectures helped me to learn.	7	50%	4.4	5.0
The in-class discussions and activities helped me to learn.	7	50%	4.3	4.0
The classroom technology helped me to learn.	7	50%	4.0	4.0
I found this course intellectually challenging.	7	50%	4.7	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Learning Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
I learned a lot in this course.	7	50%	4.7	5.0
I learned to apply course concepts and principles.	7	50%	4.4	5.0
I developed additional skills in expressing myself orally and in writing.	7	50%	3.7	3.0
I learned to analyze and evaluate ideas, arguments, and points of view.	7	50%	4.0	4.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Related Questions: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
The instructor possessed the basic communication skills necessary to teach the course.	7	50%	4.9	5.0
The instructor clearly communicated ideas and information.	7	50%	4.7	5.0
The instructor clearly stated the objectives of the course.	7	50%	4.7	5.0
The instructor covered what was stated in the course objectives and syllabus.	7	50%	4.9	5.0
The instructor came to class prepared to teach.	7	50%	5.0	5.0
The instructor used class time effectively.	7	50%	4.7	5.0
The instructor provided sufficient feedback.	7	50%	4.6	5.0
The instructor fairly evaluated my performance.	7	50%	4.7	5.0
The instructor is someone I would recommend to other students.	7	50%	5.0	5.0
The instructor treated students with respect.	7	50%	5.0	5.0
The instructor acknowledged and took effective action when students did not understand the material.	7	50%	4.9	5.0
The instructor was available to assist students outside of class.	7	50%	5.0	5.0
The instructor displayed enthusiasm for the course.	7	50%	5.0	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Effectiveness: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
What is your overall rating of this instructor's teaching effectiveness?	7	50%	5.0	5.0

Note: 5:Almost Always Effective; 4:Usually Effective; 3:Sometimes Effective; 2:Rarely Effective; 1:Never Effective;

## Learning Related Questions (3 comments)

### Q: Please comment on the strengths of this course and/or ways to improve this course.

- I thought the take-home test we did was an effective way to learn. I feel like this is the sort of class that ought to have graded problem sets where people can work in small groups and hammer out proofs. In class tests offer a high stress, limited time environments and as such don't lend themselves to developing proof ability, since they always had to be straight forward.
- Does well to cover basic group theory in a rigorous way  
Extends somewhat beyond introductory material
  - Homework assignments were not very helpful compared to problem sets with more difficult problems
  - Why not make number theory a prereq. (and offer that course at reasonable times) so we actually do group theory the whole time?
  - Exams were very easy and don't require a complete understanding of the material
  - Would have been helpful to either follow the textbook or provide lecture notes, since simply jotting down the proofs as notes in class is a bit of a waste of time and a distraction
- As this is a summer 2 course, i would have liked the pace to be a little slower, but that is unavoidable it seems. Less time could have been spent on the introductory material.

## Instructor Related Questions: Waththage Fernando (3 comments)

### Q: Describe instructor's strengths, areas for improvement, and any additional comments.

---

1 First, I really enjoyed your class, thanks.

Secondly, I have two thoughts for improvement. The first is that we spend too much time in chapters 1 and 2, could have gotten further into group theory, or at least not rushed chapter 7 as much as we did. Second, since we didn't strictly follow the textbook and the class was very dependent on the lecture notes (for example, we had to have Theorem A B C D written down, since those letters mean nothing outside of context of our class), I think it would be beneficial if you made publicly available lecture notes, then just had us work out specific examples on paper in class. Some lectures were sort of a deluge of copying down proofs, and I found when I was so focused on copying everything down it made it harder to actually process what I was copying. Then once I got behind on processing things and we had moved forward, the remainder of the lecture that was dependent on content I hadn't processed yet was a waste, except for the fact that it gave me the notes I would have to read and understand after class. I didn't take notes on the last day of class, for sections 7.7 and 7.8, since I knew they would not be on the test, and found it easier to pay attention and ask questions as they came up.

Thanks again for a great class!

---

2 Prof. Fernando is a very smart guy and understands the material very well. He was always willing to answer questions and help students' understanding. He also offered a lot of support outside of class even beyond his office hours, organizing review sessions and interacting personally with the class.

My one complaint about his lecture style is that concepts are sometimes introduced so that they can be used later, and it's not always clear what they're used for until later. He sometimes did proof outlines before writing a full proof, and I believe this kind of overview of the material is very helpful to connect the concepts together and should be done more.

Fernando is also a fun guy when you get to know him. I enjoyed the small discussions we would sometimes have just after class or during a break where he would present some anecdotes from his work or academia, or even just tell goofy group theory jokes. Highly recommend

---

3 enthusiasm

## Calculus 3 for Sci/Engr (201810: Fall 2017)

Instructor: **Fernando, Waththage**  
 Section: **18**  
 Course Title: **Calculus 3 for Sci/Engr**  
 Course ID: **14100**  
 Subject: **MATH**

Enrollment: **16**  
 Responses Incl Declines: **13**  
 Declines: **0**  
 Department: **Mathematics**  
 Number: **2321**

### Course Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
The syllabus helped me to learn.	13	81%	4.8	5.0
The textbook(s) helped me to learn.	13	81%	4.0	4.0
The materials posted online, including Blackboard, helped me to learn.	13	81%	4.8	5.0
The out-of-class assignments and fieldwork helped me to learn.	13	81%	4.5	5.0
The lectures helped me to learn.	13	81%	4.8	5.0
The in-class discussions and activities helped me to learn.	13	81%	4.8	5.0
The classroom technology helped me to learn.	13	81%	3.8	5.0
The required textbook(s) were important for my success in this course.	3	18%	3.7	4.0
I would recommend that the instructor continue requiring the textbook(s).	3	18%	4.3	4.0
The required digital and/or other supplemental materials were important for my success in this course.	3	18%	2.7	3.0
I would recommend the instructor continue requiring the digital and/or supplemental materials.	3	18%	2.7	3.0
I found this course intellectually challenging.	12	75%	4.5	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Learning Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
I learned a lot in this course.	13	81%	4.8	5.0
I learned to apply course concepts and principles.	13	81%	4.7	5.0
I developed additional skills in expressing myself orally and in writing.	13	81%	3.3	3.0
I learned to analyze and evaluate ideas, arguments, and points of view.	13	81%	4.3	4.5

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;



## Instructor Related Questions: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
The instructor possessed the basic communication skills necessary to teach the course.	13	81%	4.9	5.0
The instructor clearly communicated ideas and information.	13	81%	4.6	5.0
The instructor clearly stated the objectives of the course.	13	81%	4.7	5.0
The instructor covered what was stated in the course objectives and syllabus.	13	81%	5.0	5.0
The instructor came to class prepared to teach.	13	81%	5.0	5.0
The instructor used class time effectively.	13	81%	5.0	5.0
The instructor provided sufficient feedback.	13	81%	4.8	5.0
The instructor fairly evaluated my performance.	13	81%	4.6	5.0
The instructor is someone I would recommend to other students.	13	81%	4.8	5.0
The instructor treated students with respect.	13	81%	4.8	5.0
The instructor acknowledged and took effective action when students did not understand the material.	13	81%	4.5	5.0
The instructor was available to assist students outside of class.	13	81%	4.8	5.0
The instructor displayed enthusiasm for the course.	13	81%	4.9	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Effectiveness: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
What is your overall rating of this instructor's teaching effectiveness?	13	81%	4.8	5.0

Note: 5:Almost Always Effective; 4:Usually Effective; 3:Sometimes Effective; 2:Rarely Effective; 1:Never Effective;

## Learning Related Questions (4 comments)

### Q: Please comment on the strengths of this course and/or ways to improve this course.

- 1 Because I had already taken Calculus 3 during senior year of high school, these questions aren't really applicable to me. I do wish the College of Science had let me place out of Calculus 3 beforehand.
- 2 Classic math class, nothing out of the ordinary.
- 3 More conceptual/abstract discussion of material
- 4 Very challenging concepts in the class, more explanation of the basics of graphing 3D surfaces would be helpful.

## Instructor Related Questions: Waththage Fernando (8 comments)

### Q: Describe instructor's strengths, areas for improvement, and any additional comments.

- 1 Prof. Fernando is great. He can sometimes move a bit fast at the beginning but slows down when students have questions and when we got farther into the term. He is very understanding and has a great sense of humor. Would definitely take one of his classes again if I could.
- 2 He was too fast almost all the time and it would be better if the homework was mandatory.

3 Prof. Fernando was generally very good at teaching the relevant material. I would recommend covering some of the helpful smaller details in Calc 3 like tree diagrams for the multivariable chain rule and general change of variables in multiple integrals.

---

4 Funny, explains everything clearly, wants you to do well.

Don't have the chapter 2/3 quizzes before chapter 4 test, there's too many things going on.

---

5 He grew on me the more time I spent around him.

---

6 Fernando is a vibrant professor with a great positive energy. He is very approachable and friendly. His office hours are useful. The tests are fair and the preparation through problem sheets and suggested homework is very helpful. Overall he is a great, effective professor.

---

7 Very passionate and excited to teach Calculus, good at teaching very difficult concepts, lightens the mood with funny jokes.

---

8 Fantastic professor, would definitely recommend to other students.

## Calculus 3 for Sci/Engr (201810: Fall 2017)

Instructor: **Fernando, Waththage**  
 Section: **14**  
 Course Title: **Calculus 3 for Sci/Engr**  
 Course ID: **12768**  
 Subject: **MATH**

Enrollment: **19**  
 Responses Incl Declines: **9**  
 Declines: **0**  
 Department: **Mathematics**  
 Number: **2321**

### Course Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
The syllabus helped me to learn.	9	47%	4.3	4.0
The textbook(s) helped me to learn.	9	47%	4.0	4.0
The materials posted online, including Blackboard, helped me to learn.	9	47%	4.1	4.0
The out-of-class assignments and fieldwork helped me to learn.	9	47%	4.3	5.0
The lectures helped me to learn.	9	47%	4.7	5.0
The in-class discussions and activities helped me to learn.	9	47%	4.7	5.0
The classroom technology helped me to learn.	9	47%	3.8	3.5
The required textbook(s) were important for my success in this course.	3	15%	3.7	4.0
I would recommend that the instructor continue requiring the textbook(s).	3	15%	3.7	4.0
The required digital and/or other supplemental materials were important for my success in this course.	3	15%	4.0	4.0
I would recommend the instructor continue requiring the digital and/or supplemental materials.	3	15%	4.0	4.0
I found this course intellectually challenging.	9	47%	4.8	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Learning Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
I learned a lot in this course.	9	47%	4.9	5.0
I learned to apply course concepts and principles.	9	47%	4.8	5.0
I developed additional skills in expressing myself orally and in writing.	9	47%	3.8	4.0
I learned to analyze and evaluate ideas, arguments, and points of view.	9	47%	4.2	4.5

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Related Questions: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
The instructor possessed the basic communication skills necessary to teach the course.	9	47%	4.8	5.0
The instructor clearly communicated ideas and information.	9	47%	4.7	5.0
The instructor clearly stated the objectives of the course.	9	47%	4.8	5.0
The instructor covered what was stated in the course objectives and syllabus.	9	47%	4.8	5.0
The instructor came to class prepared to teach.	9	47%	4.8	5.0
The instructor used class time effectively.	9	47%	4.8	5.0
The instructor provided sufficient feedback.	9	47%	4.7	5.0
The instructor fairly evaluated my performance.	9	47%	4.7	5.0
The instructor is someone I would recommend to other students.	9	47%	4.7	5.0
The instructor treated students with respect.	9	47%	4.7	5.0
The instructor acknowledged and took effective action when students did not understand the material.	9	47%	4.4	5.0
The instructor was available to assist students outside of class.	9	47%	4.7	5.0
The instructor displayed enthusiasm for the course.	9	47%	4.7	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Effectiveness: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
What is your overall rating of this instructor's teaching effectiveness?	9	47%	4.9	5.0

Note: 5:Almost Always Effective; 4:Usually Effective; 3:Sometimes Effective; 2:Rarely Effective; 1:Never Effective;

## Course Related Questions (2 comments)

### Q: Please comment on the strength and/or weakness of the required textbook/course materials.

- Loved the videos explaining certain problems - wish there were more of these. Also, please make the even problems available for students to check their answers.
- Wasn't as helpful as the posted exams

## Learning Related Questions (3 comments)

### Q: Please comment on the strengths of this course and/or ways to improve this course.

- Typical lecture. Moves very fast.
- This course included Calculus that I found very helpful and applicable to by Physics class and included topics that seemed very relevant to engineering as a whole. It was very interesting and informative.
- Strengths: straight-forward tests, sufficient practice, posts 7 final exams, problem sheets for each test  
Improvements: individual practice tests for each test, distinguishing which final exam questions are for which test/unit

Instructor Related Questions: Waththage Fernando (5 comments)

**Q: Describe instructor's strengths, areas for improvement, and any additional comments.**

- 1 Not completely emotionless, attempts at jokes. Overall great person. Teaches very well.
- 2 Incredible jokes. Incredible teacher.
- 3 Very good at the subject but could be fast and confusing and sometimes unwilling to answer questions
- 4 One of my favorite professors, Dr. Fernando clearly outlined the course in his syllabus and provided detailed notes in his lecture. So long as you showed up to lecture and utilized his problem sheets, you would be successful in his class.
- 5 Strengths: loves math, funny, fair grades, always available during office hours, uses time wisely, recognizes hard work

Improvements: goes really fast in class (but it's necessary to get through material), encourages struggling through problems instead of him walking through steps (some students don't like this)

Additional comments: Do the homework then ask questions at office hours. To study, do the problem sheet and all final exam questions and you should be fine. Take in-class notes then rewrite them since he goes quickly and you won't get neat notes in class if you try to get everything. Tests every 2 weeks allows plenty of time to master the material if you don't procrastinate. If you like teachers that walk you through every step, he's probably not your guy but if you don't mind struggling on your own a bit then he's great!

## Calculus 3 for Sci/Engr (201810: Fall 2017)

Instructor: **Fernando, Waththage**  
 Section: **20**  
 Course Title: **Calculus 3 for Sci/Engr**  
 Course ID: **14378**  
 Subject: **MATH**

Enrollment: **28**  
 Responses Incl Declines: **19**  
 Declines: **0**  
 Department: **Mathematics**  
 Number: **2321**

### Course Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
The syllabus helped me to learn.	18	64%	4.4	4.0
The textbook(s) helped me to learn.	18	64%	3.8	4.0
The materials posted online, including Blackboard, helped me to learn.	18	64%	4.1	4.0
The out-of-class assignments and fieldwork helped me to learn.	18	64%	4.2	4.0
The lectures helped me to learn.	18	64%	4.6	5.0
The in-class discussions and activities helped me to learn.	18	64%	4.4	4.0
The classroom technology helped me to learn.	18	64%	3.8	4.0
The required textbook(s) were important for my success in this course.	8	28%	4.3	5.0
I would recommend that the instructor continue requiring the textbook(s).	8	28%	4.3	5.0
The required digital and/or other supplemental materials were important for my success in this course.	7	25%	4.0	4.0
I would recommend the instructor continue requiring the digital and/or supplemental materials.	8	28%	4.2	4.0
I found this course intellectually challenging.	18	64%	4.4	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Learning Related Questions

Question	Number of Responses	Response Rate	Course Mean	Course Median
I learned a lot in this course.	18	64%	4.7	5.0
I learned to apply course concepts and principles.	18	64%	4.5	5.0
I developed additional skills in expressing myself orally and in writing.	18	64%	3.6	4.0
I learned to analyze and evaluate ideas, arguments, and points of view.	18	64%	3.9	4.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Related Questions: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
The instructor possessed the basic communication skills necessary to teach the course.	18	64%	4.6	5.0
The instructor clearly communicated ideas and information.	18	64%	4.5	5.0
The instructor clearly stated the objectives of the course.	18	64%	4.5	5.0
The instructor covered what was stated in the course objectives and syllabus.	18	64%	4.6	5.0
The instructor came to class prepared to teach.	18	64%	4.6	5.0
The instructor used class time effectively.	18	64%	4.7	5.0
The instructor provided sufficient feedback.	18	64%	4.3	4.5
The instructor fairly evaluated my performance.	18	64%	4.4	4.0
The instructor is someone I would recommend to other students.	18	64%	4.5	5.0
The instructor treated students with respect.	18	64%	4.5	5.0
The instructor acknowledged and took effective action when students did not understand the material.	18	64%	4.6	5.0
The instructor was available to assist students outside of class.	18	64%	4.6	5.0
The instructor displayed enthusiasm for the course.	18	64%	4.6	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Effectiveness: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Course Median
What is your overall rating of this instructor's teaching effectiveness?	18	64%	4.6	5.0

Note: 5:Almost Always Effective; 4:Usually Effective; 3:Sometimes Effective; 2:Rarely Effective; 1:Never Effective;

## Course Related Questions (2 comments)

### Q: Please comment on the strength and/or weakness of the required textbook/course materials.

- The textbook was rather useless when it came to success in this course. It was much more beneficial to review the problem sets and past final exams
- The textbook was useful, mostly for homework problems. The examples were pretty easy to follow and understand, although I mostly learned from lecture.

## Learning Related Questions (5 comments)

### Q: Please comment on the strengths of this course and/or ways to improve this course.

- Typical college Calc 3 sequence - however a different textbook would be helpful. This textbook was not too helpful for the harder Calc 3 material.
- This course was intellectually challenging but once you realize how to study it gets much easier. The tests were rather difficult but he offers a lot of opportunities for extra credit.
- I think this course was nicely paced, with a review at the beginning, and then harder topics near the middle, with an easier topic at the end. The structure was great as well.

- 4 Calc 3 was much more challenging than Calc 2, and an A in the course requires hours of studying each week. There were 6 unit exams every other week with a final exam. Difficulty tends to increase as the semester moves along. The instructor provides practice final exam questions on Blackboard for practice, which are key to honing in preparation for the exam.
- 5 Calculus 3 is good for traditional lecturing.

Instructor Related Questions: Waththage Fernando (7 comments)

**Q: Describe instructor's strengths, areas for improvement, and any additional comments.**

- 1 Very enthusiastic instructor. Goes a bit too fast but is always willing to slow down. Extra credit quizzes! Can be hard at times, but that is the nature of the material.
- 2 Although the tests were challenging, he was very fair grading. He should definitely put more emphasis on the past final exams and problems sets earlier in the semester.
- 3 He was one of the best professor I have ever had here at Northeastern! He was enthusiastic, funny, and knew the material like the back of his hand. He was able to answer any question that was asked, and he told some funny jokes that woke me up in the morning. In his office hours, he was very helpful, kind, and respectful. I can't say enough great things about Fernando.
- 4 Fernando was a fantastic professor. He's always so nice and treats all his students with respect, despite any questions that may be asked. He has a very silly sense of humor that helps push through any math class. He uses relevant examples in class and will spend any amount of time to ensure students understand a problem before moving on. Tests were fair, and he always allowed students to earn up to 4 bonus points on each one, with 2-3 extra credit quizzes at the end of the semester. Overall, great professor, and would highly recommend.
- 5 Very good teacher
- 6 Funny although reuses jokes
- 7 Strong brain



## Number Theory (201830: Spring 2018)

Instructor: **Fernando, Waththage**  
 Subject: **MATH**  
 Catalog & Section: **3527 01**  
 Course ID: **33674**  
 Objectives:

Enrollment: **59**  
 Responses Incl Declines: **33**  
 Declines: **0**

### Course Related Questions

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
The syllabus helped me to learn.	33	55%	4.0	4.0	4.0	4.0	4.0	4.0
The textbook(s) helped me to learn.	33	55%	3.6	3.8	3.8	4.0	4.0	4.0
The materials posted online, including Blackboard, helped me to learn.	33	55%	4.6	4.3	4.2	5.0	4.0	4.0
The out-of-class assignments and fieldwork helped me to learn.	33	55%	3.8	4.2	4.2	4.0	4.0	4.0
The lectures helped me to learn.	33	55%	4.4	4.3	4.1	5.0	5.0	4.0
The in-class discussions and activities helped me to learn.	33	55%	4.4	4.2	4.2	5.0	4.0	4.0
The classroom technology helped me to learn.	33	55%	3.9	3.8	4.0	4.0	4.0	4.0
The required textbook(s) were important for my success in this course.	33	55%	3.4	3.7	3.7	4.0	4.0	4.0
I would recommend that the instructor continue requiring the textbook(s).	33	55%	3.6	3.8	3.8	4.0	4.0	4.0
The required digital and/or other supplemental materials were important for my success in this course.	33	55%	3.9	4.0	4.1	5.0	4.0	4.0
I would recommend the instructor continue requiring the digital and/or supplemental materials.	33	55%	4.0	4.0	4.1	4.5	4.0	4.0
I found this course intellectually challenging.	29	49%	4.7	4.3	4.1	5.0	4.0	4.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Learning Related Questions

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
I learned a lot in this course.	33	55%	4.5	4.3	4.3	5.0	5.0	4.0
I learned to apply course concepts and principles.	33	55%	4.3	4.3	4.3	4.0	4.0	4.0
I developed additional skills in expressing myself orally and in writing.	33	55%	3.6	3.7	4.0	4.0	4.0	4.0
I learned to analyze and evaluate ideas, arguments, and points of view.	33	55%	4.2	3.9	4.1	4.0	4.0	4.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Instructor Related Questions: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
The instructor possessed the basic communication skills necessary to teach the course.	33	55%	4.5	4.4	4.4	5.0	5.0	5.0
The instructor clearly communicated ideas and information.	33	55%	4.3	4.2	4.3	5.0	5.0	5.0
The instructor clearly stated the objectives of the course.	33	55%	4.2	4.4	4.4	4.0	5.0	5.0
The instructor covered what was stated in the course objectives and syllabus.	33	55%	4.6	4.5	4.5	5.0	5.0	5.0
The instructor came to class prepared to teach.	33	55%	4.8	4.6	4.5	5.0	5.0	5.0
The instructor used class time effectively.	33	55%	4.6	4.4	4.3	5.0	5.0	5.0
The instructor provided sufficient feedback.	33	55%	4.3	4.2	4.2	5.0	5.0	4.0
The instructor fairly evaluated my performance.	33	55%	4.5	4.4	4.3	5.0	5.0	5.0
The instructor is someone I would recommend to other students.	33	55%	4.4	4.2	4.3	5.0	5.0	5.0
The instructor treated students with respect.	33	55%	4.6	4.5	4.5	5.0	5.0	5.0
The instructor acknowledged and took effective action when students did not understand the material.	33	55%	4.3	4.2	4.3	5.0	5.0	5.0
The instructor was available to assist students outside of class.	33	55%	4.6	4.4	4.4	5.0	5.0	5.0
The instructor displayed enthusiasm for the course.	33	55%	4.9	4.5	4.5	5.0	5.0	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Effectiveness: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
What is your overall rating of this instructor's teaching effectiveness?	33	55%	4.4	4.4	4.4	5.0	5.0	5.0

Note: 5:Almost Always Effective; 4:Usually Effective; 3:Sometimes Effective; 2:Rarely Effective; 1:Never Effective;

## Course Related Questions (18 comments)

### Q: Please comment on the strength and/or weakness of the required textbook/course materials.

- I never used it once, but I feel that between the lecture notes, the textbook is not needed.
- I only relied on the text book for the first few weeks of class, then I relied solely on the notes from class. The professor even mentioned the text was wrong for certain proofs, which is not reassuring.
- The textbook seemed pretty average compared to the textbooks used in other math courses. The assigned homework problems from the book were much more difficult than anything that was expected on tests. The lectures diverged from the book for the last third of the class so it was nearly impossible to keep up with the homework problems that were listed. By the end of the course I finally realized that the textbook and homework problems were completely unnecessary for success.
- The practice quizzes and past tests were the most important thing, a few weeks in I stopped ever looking at the book or trying book problems.
- The textbook was helpful for when I was struggling on certain topics taught in the lecture-- I could check the textbook to verify I understood it correctly. Otherwise, it's not very necessary for you to do well because he goes over everything in class.
- I did not end up using the textbook for this course. It wasn't advertised as 'required' though, so I didn't mind.  
  
You can generally learn everything by paying attention in class.
- I only ever used the textbook for the practice problems he suggested, but by the end of the year I stopped doing those as well. The problems in the book weren't very similar to the problems on the tests and I found that studying the proofs we did in class and working through the old tests he put online made the textbook problems unnecessary. Professor also didn't seem to like the textbook very

much.

- 8 I feel as though the textbook could be very helpful for this course, however, the professor abandoned following the textbook about  $\frac{1}{3}$  through the course, which is when I stopped using it as well. It made clarifying topics from class very hard because there was absolutely no outside resources we could use besides our handwritten class notes, as lectures were not posted online.
- 9 Most of my actual learning was done using the online material.
- 10 The textbook is really good, and the lectures were great. I thought it was kind of strange when halfway through the year, the professor started using another textbook which made us hop around ours. I think a possible solution would just be to make that second textbook the required one.
- 11 The class doesn't really follow the text book and the suggested HW assignments are pretty useless because there are no answers, but it is free and can help clarify on proofs
- 12 The textbook is a bit advanced for the course work actually being done in this course. I could have completed the class with the same success without using the textbook. I only used it to study for one test.
- 13 I don't really like the textbook. I think we should find a textbook with structure similar to the lectures otherwise it is confusing on how each concept is progressing.
- 14 Textbook is super readable
- 15 We used the textbook in the beginning of class but Professor Waththage stopped using it partway through the class after he stated that the proofs in the textbook were wrong. Doing homework problems from the textbook was not helpful because they were significantly harder than exam problems, with many of the problems being open problems.
- 16 Textbook was very good, often provided a different proof/viewpoint of a particular problem compared to what we learned in class.
- 17 Go to lectures! They are really helpful. The professor lays out all of the information in really well formatted notes.
- 18 The textbook acted as a great supplement to the notes taken. Homework would also come out of the book.

#### Learning Related Questions (14 comments)

##### **Q: Please comment on the strengths of this course and/or ways to improve this course.**

- 1 This was an incredible course where I became even stronger in my ability formulate proofs and prove concepts.
- 2 This was a very challenging class that forced me to think in ways I do not traditionally do.
- 3 The course was very proof heavy but also very formulaic. It was very possible to be successful on all tests by simply memorizing the proofs given in class.
- 4 I love this course! I think, although having test every other week was rough, it helped me really learn the material and do well in the course. I really liked having the previous year's quizzes online to study from, and found the lectures to be extremely helpful.
- 5 I loved this course. I enjoyed not having required homework, since I was able to learn enough from Fernando just from our lectures.  
  
The course was very new to me, and intellectually stimulating.
- 6 This course was incredibly challenging, but most of the challenges came from confusing lectures and the fact that there were little to no resources out of class to help learn the material. It was extremely frustrating because the textbook was rarely used, and lecture slides or material were never posted, so the only thing you could do to study was to review your notes. If you missed something in class, it was very stressful because you would not be prepared for the exam. I highly recommend taking very detailed and clear notes, and trying to find people to study with because the class itself is not conducive to learning the material in class.
- 7 Slow the pace down a bit.
- 8 Great course, but I think the "quality/fun-ness" of the tests varied greatly. I think one downside is just how many test questions ended up being memorization.
- 9 I wish there were slightly less material so we could really discuss concepts as opposed to just proving each thing once and moving on.
- 10 Fairly easy, but only for some people
- 11 Very good introduction to proofs
- 12 Very interesting but challenging course. It would be very helpful if the course was to go slightly slower.
- 13 This course is A LOT of information in a small amount of time. It is very memorization heavy. There are many proofs that you need to know the details for for each exam. While the content is interesting, the amount we needed to know for each exam could get very overwhelming. I would not recommend taking this course along with other difficult ones.
- 14 This was the first proof based course I took, and boy did I learn a lot. This was a very fast paced course, but Professor Fernando made it reasonable enough to learn all of the material.

Instructor Related Questions: Waththage Fernando (19 comments)

**Q: Describe instructor's strengths, areas for improvement, and any additional comments.**

- 1 The course is difficult, so it was at times difficult to follow certain complex proofs. All in all, it was an incredible class, and Fernando is an incredible professor. I am currently a math minor, but this has been my favorite math course that I have taken thus far at Northeastern.
- 2 Despite the difficulty of the course, Prof. Fernando did an excellent job. He provided levity to an otherwise dull course which helped my retention. I will say, he had a tendency to write quickly, but he corrected himself when he noticed it happening. He was a fair grader and I would highly recommend him to others.
- 3 I love Fernando!!! Definitely take him if you can. He is extremely passionate about Number Theory and made the class really enjoyable. His tests were fair. He challenges you, but in a way that motivates you to actually put in work and have that work pay off. I wish I could take this class again because I enjoyed learning Number Theory from Fernando that much!
- 4 Fernando was a great teacher. He is incredibly knowledgeable and always came prepared to class. He was very funny as well, and made lectures enjoyable.  
  
He could cover material pretty quickly, and it was sometimes hard to keep up. My advice is to let him know if you're confused: he will stop and answer your questions, if you have any.
- 5 He was enthusiastic about the work and made the class fun.
- 6 Professor Fernando is very enthusiastic about Number Theory and tries to make the class interesting. I think he is a good person, and I know he is very popular with students, however, in my experience I found his teaching very confusing and did not like the way he structured the class this semester. I feel as though this class could be very easy to follow if there were more resources available and expectations for assessments were made clear. I actually ended up doing fairly well in this class, however, the amount of stress and time I spent studying was absurd.
- 7 Professor definitely wrote and spoke way too quickly. He would write and speak at the same time, but it wouldn't be possible to keep up with his writing since he was always blocking the board. By the time you caught up to the writing he would already be talking about something else.
- 8 Sometimes the pacing was so fast his chalk out sped my pen. I think a lot of students could have benefited from homework solutions being posted at least partially (which was only done once in the beginning). It'll be some work, but theoretically it only needs to be done once with minimal changes for future classes. Other than that, I thought the professor was very consistently on top of things and extremely competent.
- 9 Professor went through some material too fast in class that basically only gave us time to copy it down but not digest any of the concepts which led to questions later on. He was very helpful in office hours
- 10 I have had Fernando three times and he is the best professor I've had at Northeastern.
- 11 Fernando needs to slow down the speed of his lectures. he assumes students know the material already and does not allow any time for material he presents to be absorbed or discussed in class. he should present material in a way so that students do not feel a need to write copy everything down word for word, so that more emphasis is placed on the learning and less on the wrote memorization. other than this, fernando is overall a great guy and is clearly passionate about his subject. he just needs to be a little more aware of the classroom dynamic.
- 12 Great professor! Just a really hard class where you actually have to pay attention in class and study hard.
- 13 Prof. Fernando is a good professor in that he is enthusiastic and sometimes humorous. I would suggest he explains proofs more thoroughly. I feel like the tests he gives just simply letting us to remember to proof in class, but I don't think that is what a math class supposed to be. I know knowing all those proofs are important, but if a student can get a rather good grade by just remembering proofs without really understanding what is going on, then it is not helping students for their future number theory of math studies.
- 14 Great!
- 15 Professor Waththage was a great instructor and I would recommend him to anyone who asked. The only problem I had with his class was that he lectured too fast towards the beginning of the semester though he slowed down his lecture speed after receiving feedback from the class.
- 16 Every class is packed full of information.  
Not really a class where you can miss a lecture.  
One of the most content-filled courses I've ever taken.
- 17 The professor is extremely knowledgeable in the material and is overall good at teaching. He does tend to go through the material really fast and is hard to keep up with. Note that he also tends to erase the board quickly, which I really wished he didn't do.
- 18 The professor was very enthusiastic about teaching and the material! He knew how to keep the students engaged, and was always available to answer any questions.
- 19 Professor Fernando might be my favorite professor at Northeastern. I had him for DiffEq and did well. In this much harder course, I relied

on him to be a very effective professor and actually teach me the material we needed to learn. He did this very well, and he did a very good job at encouraging his students to work hard and study the material provided.

## Number Theory (201730: Spring 2017)

Instructor: **Fernando, Waththage**  
 Subject: **MATH**  
 Catalog & Section: **3527 01**  
 Course ID: **34772**  
 Objectives:

Enrollment: **44**  
 Responses Incl Declines: **21**  
 Declines: **0**

### Course Related Questions

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
The syllabus helped me to learn.	21	47%	4.4	4.1	4.0	5.0	4.0	4.0
The textbook(s) helped me to learn.	21	47%	4.1	3.8	3.9	4.0	4.0	4.0
The materials posted online, including Blackboard, helped me to learn.	21	47%	4.6	4.3	4.3	5.0	4.0	4.0
The out-of-class assignments and fieldwork helped me to learn.	21	47%	4.5	4.2	4.2	5.0	4.0	4.0
The lectures helped me to learn.	21	47%	4.6	4.3	4.2	5.0	5.0	4.0
The in-class discussions and activities helped me to learn.	21	47%	4.6	4.1	4.2	5.0	4.0	4.0
The classroom technology helped me to learn.	21	47%	4.6	3.9	4.0	5.0	4.0	4.0
I found this course intellectually challenging.	21	47%	4.6	4.2	4.1	5.0	4.0	4.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

### Learning Related Questions

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
I learned a lot in this course.	21	47%	4.7	4.3	4.2	5.0	5.0	4.0
I learned to apply course concepts and principles.	21	47%	4.7	4.3	4.3	5.0	4.0	4.0
I developed additional skills in expressing myself orally and in writing.	21	47%	4.8	3.7	4.0	5.0	4.0	4.0
I learned to analyze and evaluate ideas, arguments, and points of view.	21	47%	4.5	3.9	4.1	5.0	4.0	4.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

Instructor Related Questions: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
The instructor possessed the basic communication skills necessary to teach the course.	21	47%	4.8	4.4	4.4	5.0	5.0	5.0
The instructor clearly communicated ideas and information.	21	47%	4.6	4.2	4.3	5.0	5.0	5.0
The instructor clearly stated the objectives of the course.	21	47%	4.6	4.4	4.4	5.0	5.0	5.0
The instructor covered what was stated in the course objectives and syllabus.	21	47%	4.7	4.5	4.4	5.0	5.0	5.0
The instructor came to class prepared to teach.	21	47%	4.9	4.6	4.5	5.0	5.0	5.0
The instructor used class time effectively.	21	47%	4.7	4.4	4.3	5.0	5.0	5.0
The instructor provided sufficient feedback.	21	47%	4.5	4.2	4.2	5.0	5.0	4.0
The instructor fairly evaluated my performance.	21	47%	4.7	4.4	4.3	5.0	5.0	5.0
The instructor is someone I would recommend to other students.	21	47%	4.7	4.2	4.2	5.0	5.0	5.0
The instructor treated students with respect.	21	47%	4.9	4.5	4.5	5.0	5.0	5.0
The instructor acknowledged and took effective action when students did not understand the material.	21	47%	4.3	4.2	4.3	5.0	5.0	5.0
The instructor was available to assist students outside of class.	21	47%	4.5	4.4	4.3	5.0	5.0	5.0
The instructor displayed enthusiasm for the course.	21	47%	4.9	4.5	4.5	5.0	5.0	5.0

Note: 5:Strongly Agree; 4:Agree; 3:Neutral; 2:Disagree; 1:Strongly Disagree; -1:Not applicable;

## Instructor Effectiveness: Waththage Fernando

Question	Number of Responses	Response Rate	Course Mean	Dept. Mean	Univ. Mean	Course Median	Dept. Median	Univ. Median
What is your overall rating of this instructor's teaching effectiveness?	21	47%	4.7	4.4	4.4	5.0	5.0	5.0

Note: 5:Almost Always Effective; 4:Usually Effective; 3:Sometimes Effective; 2:Rarely Effective; 1:Never Effective;

## Learning Related Questions (7 comments)

### Q: Please comment on the strengths of this course and/or ways to improve this course.

- Hints about study strategies to succeed in this course would be helpful.
- Number theory was very different from other math classes I've taken here. It's based all on proofs. It took me a while to get adjusted to this new type of thinking because this class was not focused on the algebra or the actual calculations. I would say 50% of this class was focused on understanding proofs and the other 50% on actually being able to solve problems using the proofs. This class was a pretty heavy time commitment for me because deciphering the proofs and really understanding them was time-consuming. I sometimes felt that homework was not always necessary. I would always try to do my homework, but then realized that some homework problems were very open-ended and not the type of questions you would see on quizzes/exams. I wish the professor would make note of the unrelated homework problems because I spent a lot of time in office hours trying to understand them while I could have used that time to study for other stuff that would actually be on tests and exams. Also, after the first week, the professor stopped going over homework problems in class. I feel like it would have helped if he set more time aside for us to ask him homework questions in class. Other than that, the class was pretty straightforward.
- This class was formatted well, but there was a LOT of material to cover, and I don't even think we got through it all. Overall the class was great though, I loved the textbook and it was really helpful and fun to read, the professor was awesome, and the material was interesting. It was a good class to get introduced to a more-proof oriented area of math.

One thing; I wish that the professor gave homework solutions or went over more homework problems in class. I always kind of felt like, especially for the proof-based homework problems (but even for the computation ones), I didn't know if I was correct in my reasoning or not, and I feel like I could be leading myself astray. This led to me mostly not doing the homework and just focusing on learning the proofs and redoing the in class examples to study for the quizzes. This worked but I felt like there was a whole untapped resource that I was

missing to gain a better understanding of the material.

- 4 The course is VERY proof heavy. I would suggest reducing the number of proofs learned slightly and putting more focus into more tangible, applicable ones that actually can be demonstrated with numerical examples.
- 5 Challenging math course for non math majors without group theory or other related topics.
- 6 Great course, very interesting.
- 7 a good course

#### Instructor Related Questions: Waththage Fernando (11 comments)

##### **Q: Describe instructor's strengths, areas for improvement, and any additional comments.**

- 1 Professor Fernando is one of the best math professors I've had at NEU!
- 2 Professor Neranga is very passionate about math. He always gets excited when teaching and he tries to make class as fun as possible. He writes incredibly fast and it's a struggle keeping up with his pace in class, but as long as you get all the notes down, you should be all set for quizzes and exams. He cares about our grades and gave us extra credit on all our quizzes for the second half of the semester because he was worried that we did not do too well on the mid-term. Professor was always friendly, respectful, and I would definitely recommend this course and this professor to those who are interested in number patterns as long as they are willing to commit a decent amount of time and effort into this course. I did and it was very rewarding! This is the last class I will be taking as a math minor; I will miss math courses like this one so much!
- 3 The instructor rushes through the material in an attempt to cover as many theorems and lemmas as possible during class. It is impossible to learn anything during class when 85% of the time is spent trying to copy down what is written on the board before it is erased.
- 4 Awesome professor, I would highly recommend him. He is clear and explains things well and answers questions quickly and effectively, better at answering questions than most math professors I have had. He teaches very quickly, though and it can be a little hard to keep up with notes, but he writes everything important on the board so if you are mostly paying attention and keeping good notes, it is very easy to go back and figure out the pieces you missed. And again, he explains complicated things well so it is tough to get lost. Just make sure you show up ready to stay engaged because if you fall behind it is hard to catch back up.
- 5 Very easy to like and incredibly knowledgeable and passionate. I think if you slowed down a little in lectures, or maybe just the course as a whole, it would be easier for students to take in all the proofs.
- 6 Nothing bad to say, great great educator who cares.
- 7 He is great at answering questions and put in a lot of extra time before the final. He's the best prof I've had at Northeastern-take as many classes as you can with him.
- 8 He's the best in the math department. Knows how to teach, stops for questions, gets through everything he has planned, and comes more than prepared to teach.
- 9 Perfect
- 10 One of the best professors in the math department. I had Neranga for Calc 3 prior to this course and was beside myself when I learned I'd have him again. Fantastic professor who cares about students, loves the material, and is great at communicating it. Wish I'd taken every math class with him.
- 11 professor fernando is an excellent professor