



## Spring 2017 - Numerical Report for Ryan Alvarado

### MATH 0230 - ANALYTIC GEOMETRY & CALCULUS 2 - 1400 - Lecture

#### 2174 - Teaching Survey

Total Enrollment 65  
Responses Received 29  
Response Rate 44.62%

#### Subject Details

Name	MATH 0230 - ANALYTIC GEOMETRY & CALCULUS 2 - 1400 - Lecture
DEPARTMENT_CD	MATH
CAMPUS_CD	PIT
SCHOOL_CD	ARTSC
CLASS_NBR	10152
COURSE_NUMBER	230
SECTION_NUMBER	1400
TERM_NUMBER	2174
COURSE_TYPE	Lecture
CLASS_ATTRIBUTE	
ENROLLED_STUDENTS	72
First Name	Ryan
Last Name	Alvarado
RANK_DESCR	Other
FIRST_GRAD_TERM_START_DATE	
TENURE	NT

#### Report Comments

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**Creation Date** Thu, May 18, 2017

## Instructor Summary of Results

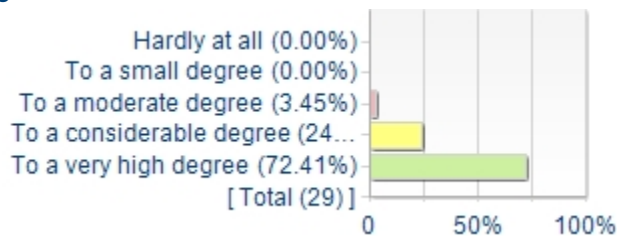
Question	Results		
	Mean	Response Count	Standard Deviation
The instructor presented the course in an organized manner.	4.69	29	0.54
The instructor stimulated my thinking.	4.66	29	0.67
The instructor evaluated my work fairly.	4.45	29	0.95
The instructor made good use of examples to clarify concepts.	4.64	28	0.62
The instructor maintained a good learning environment.	4.55	29	0.74
The instructor was accessible to students. (Do not answer if no basis to judge.)	4.67	24	0.70

## Instructor's overall teaching effectiveness

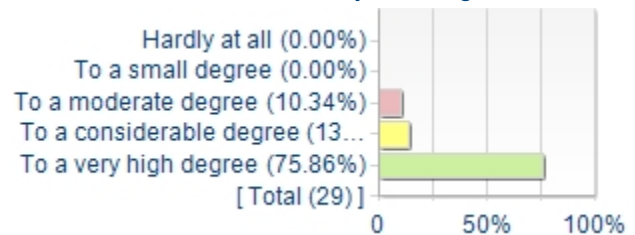
Question	Results		
	Mean	Response Count	Standard Deviation
Express your judgment of the instructor's overall teaching effectiveness:	4.69	29	0.54

## Instructor Evaluation: Detailed Results

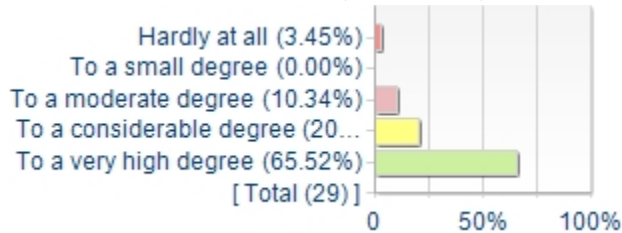
1. The instructor presented the course in an organized manner.



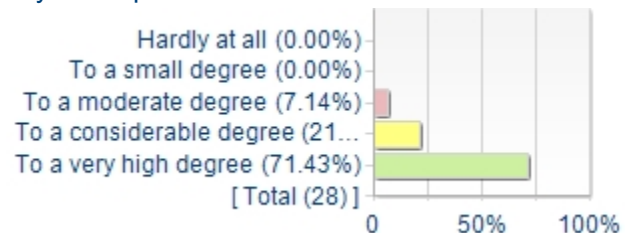
2. The instructor stimulated my thinking.



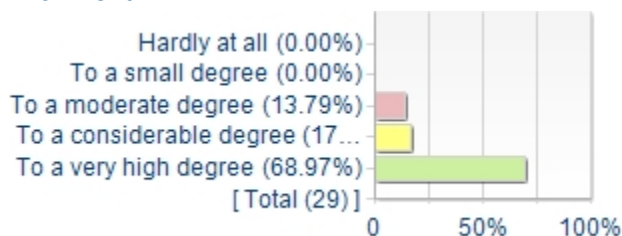
3. The instructor evaluated my work fairly.



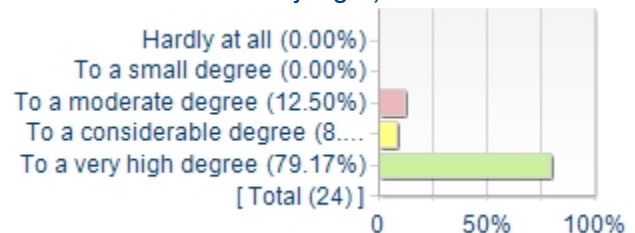
4. The instructor made good use of examples to clarify concepts.



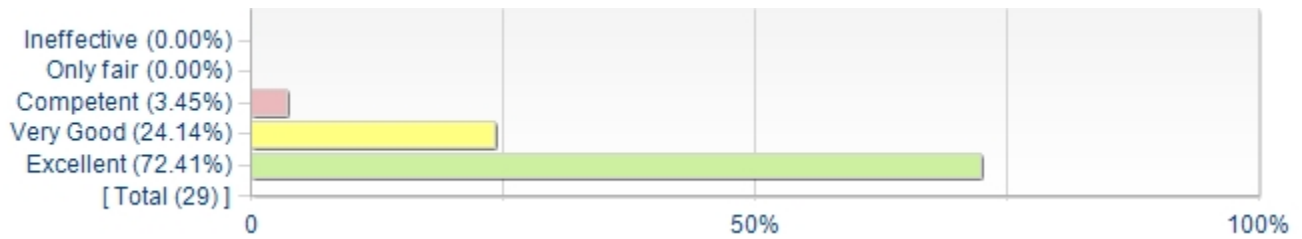
5. The instructor maintained a good learning environment.



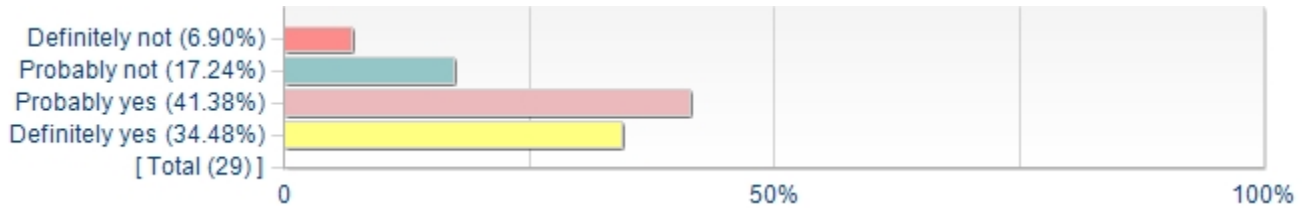
6. The instructor was accessible to students. (Do not answer if no basis to judge.)



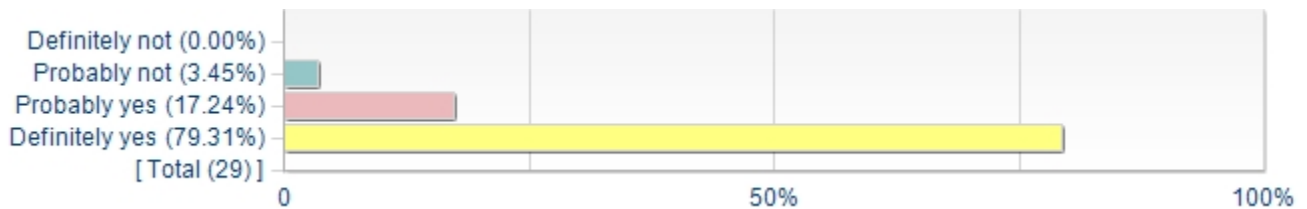
**Instructor's overall teaching effectiveness:**



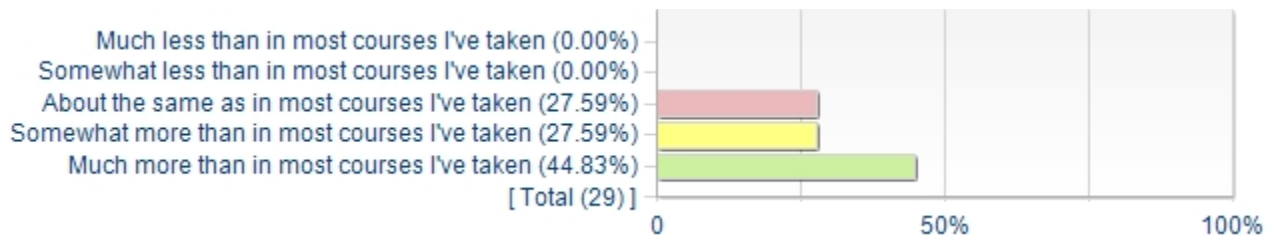
**Would you recommend this course to other students?**



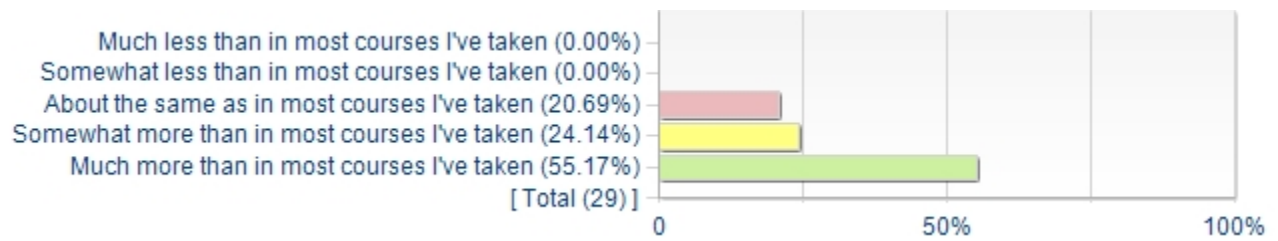
**Would you recommend this instructor to other students?**



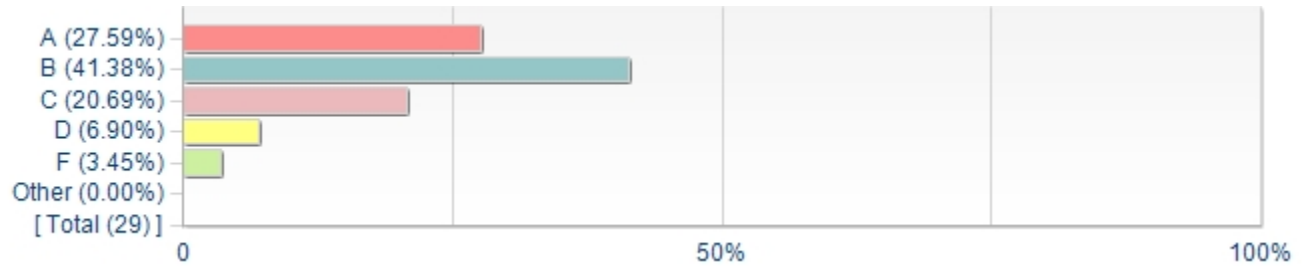
**Compared to other courses at the same level, the amount of work I did was:**



### In this course I have learned:



### The grade I expect in this course is:



## What were the instructor's major strengths?

### Comments

Giving a lot of examples in the notes and always available outside of class when I needed to meet with him.

Very caring and happy. Helps you whenever you need it. A great guy that really cares about his students and learns ALL of their names. He makes calc 2 as enjoyable as possible. Explains things really well. Always available to help you if you need it.

Professor Alvarado did an amazing job of explaining material and really effectively taught the course even though the the schedule made the course somewhat pressed for time. Even though I'm failing Calc 2 this semester, I never once have felt that my low grades were a result of the professor's teaching ability.

Provided students with many example problems and sometimes notes to supplement classroom learning. Office hours were open to everyone whenever needed.

Ryan really worked hard for our success in the course. He provided many resources to study from and made it really clear what we would be tested on. He is always willing to meet during office hours. He genuinely cares about his students. He always gave 100% and always had lots of energy which was good for a class held so late.

He provided a lot of different resources - textbook problems, HW problems, LON CAPA, etc - that we could use to practice concepts that we learned in class. The examples that he went over in class were usually very helpful when learning a concept. Also, you can tell that he really cares about his students with how willing he is to meet with you if his office hours don't work for you.

He seems to enjoy teaching and makes good use of examples for every problem type. The exams were always fair and the notes were always very organized.

### Knowledgeable

Great professor!!!! He has an amazing ability to explain complicated concepts clearly. Genuinely cares about the students and gives them every opportunity to succeed. Will always be willing to help them if they need it and has the rare talent of explaining things multiple times and still not making you feel stupid for not understanding something quickly. This is a very rare talent that not a lot of teachers have.

To explain complex theories clearly and easy to understand, lecture well organized

Very thorough in providing useful examples, effective teaching style, excellent intuition as to how well a class is picking up on the material.

### Enthusiastic

Dr. Alvarado cares, however this is not something to be taken lightly. He does everything he can to not only explain the material in a manner that not only makes sense but also he gives his students so many opportunities to learn, practice, repeat. He is always readily available to help and is very personable. He gives the opportunity to succeed in one of the most difficult courses on Pitt's campus. Although his exams are not curved, there is no excuse for why a student does not do well on an exam.

good for math majors/minors to understand concepts beyond what they are

Excellent at presenting complex material in a highly digestible manner

He is very organized, clear and helpful

His willingness to do whatever necessary to accomodate students who demonstrate effort.

presented concepts in clear and thorough manner, provided many examples and hw problems to solidify understanding, encouraged students to put in the extra work to succeed

Very extensive in his coverage of examples and concepts in class

the lecture is held along with organized notes

Fair grading - organized teaching

He is knowledgeable, really professional and his class is easily understanding, especially for the student whose native language is not English, like me. I am lucky and usually can meet best math teachers in Pitt. Dr. Alvarado work very hard and send us email after our night class immediately. He also wrote the chapter notes for us which may took long time to write. These notes is very nice for the students to leaning.

The instructor takes time to derive or explain where formulas and ideas comes from. If new material corresponds with old material he will make the connections obvious to us. He also provide numerous examples and practice problems

### Comments

in and outside of class for students to use. He has a a good sense of humor which is extremely helpful when students become overwhelmed or tired with math. The extra credit assignments and exam questions were amazing!

He is Sooooo Good, He Knows his stuff, he knows how to teach, and he does everything in his power to make his students succeed. He Teaches calculus in a logical way to lead into the next concept. He knows where the problems occur and provides counter examples to combat for see able problems. He Answers all problems completely and drives a point to reinforce the Answer, and for the few questions (like why does the right hand rule work for vectors work?) he does not know he seeks out the the answer for next class. His Lectures are worth every penny and every second. Then He writes the quizzes like the Exams. He types out extensive extra notes, Lots of pages of test like examples, he preps what to know sheets for tests, and much more resources. Before Big Exams he has Out of Class Review sessions too. He grades quickly and tells you were you went wrong on a problem, and writes ups solutions to exam quickly. He doesn't curve, because he has no reason to he hits the average nearly every time, and for any margin off he supplies further learning through extra credit. He is the Strongest teacher alive, and he is entertaining too.

Very passionate on the subject, this passion extended to students to make them want to learn the material.

## What were the instructor's major weaknesses?

Comments
n`
N`
Lack of curves
Handwriting
nothing
Sometimes it was hard to follow what Professor Alvarado was saying, because he would talk/teach about a concept very quickly.
The class should be curved IF more than 50% the class won't pass.
Intimidating, speaking too quickly, and he didn't finish examples in class
All or nothing statements, "If you don't know this... you won't pass the class" It is exaggerated and can psych students out.
Perfect for me, no weakness
his only limiting factor is the fact that he teaches night class, its hard to follow along that late and it limits the lectures to two per week instead of three, which makes the material harder to grasp in such short chunks.
if copying board = 1 and understanding = 1 then student can only get 1.1 either pay attention to lecture and write equations or copy board and rely on self to understand we were told we should copy everything on the board early into the class, which I don't think is a good choice, book notes are usually my preference and in class is just examples is better way at looking at it
no
null
because of the time of the lectures, the course was very rushed and we were unable to cover all topics on the syllabus at the level i would have hoped for
None
pace is fast
He is excellent and perfect.
All material taught in class is fair game for his exams. However, when the material load is heavy it can be very easy to lose sight of this fact and it is not as emphasized as it could be. Sometimes I felt a bit intimidated to answer his questions. Like it was better to stay quiet then say the wrong answer and get a bewildered expression from the instructor's face.
He is Is the model Teacher to all. He has no teacher Faults
none come to mind

## What aspects of this course were most beneficial to you?

Comments
Challenged my thoughts constantly and made me work very hard.
Doing problems in class. Office hours.
Really helped to understand WHY calculus matters and to understand why it is worth understanding and knowing
I did lots better when I did more example problems to help understand the material, the work you put in is directly related to how well you will do. Practice is the most beneficial thing by far.
the last unit
Having quizzes almost every week, although stressful, was helpful because it made me keep up with the material. Again, having access to a bunch of practice problems was very helpful in preparing for exams and quizzes.
NOT LON CAPA!!!
Made me learn to take notes quicker
The fairness of the exams. If you put the work in you will get the grade you deserve. There are no tricks, what you cover in lecture is what you will be tested on.
Learning is always beneficial, no matter what I learn.
The subject material and learning how to solve difficult problems.
Examples in class
The fact that it was required for my major, and also the fact that I had many opportunities to fully understand the material though office hours and in class warm-ups
Typed notes of series/sequences section
-The lectures. -The notes provided on series and sequences.
$n^2$
many examples are mention in lecture
Office hours
I learned Calculus 1 and 2 and may take 3 later. All these courses will good and beneficial to my work for the statistics learning.
All of the material taught was new to me. In terms of my academic career, the integration techniques and vector units were the most beneficial.
Everything, the material is numerous and tough, but Mr. Alvarado has all fronts covered.
although i don't need this course much beyond this point, Alvarado made it so that i wanted to retain the material for the long run instead of just for the exam.



## What suggestions do you have to improve the course?

Comments
too much information is packed into the course
I liked when you typed up the notes for the sequence/series section. Maybe you could type up all your notes because I found that to be very beneficial.
If it's possible, cover less material. I feel like I would get more out of it if we spent more time on fewer topics.
While it is likely impossible due to time constraints, it really helps to see why or how these concepts are useful and applicable in different ways to make the material feel more intuitive rather than just formulaic
nothing, it's just a really tough course that is hard to make better
I know that this might not be possible, but it would be helpful if there were at least partial answer sheets for worksheets that he provides.
NO LON CAPA!
Finish your examples in class, or at least give us the expected answer
Spend less time in the beginning reviewing calc 1 material. The first weeks were very slow and the material was easier but later weeks were very fast and the material was a lot harder
It starts at 7:30pm, this is not very convenient.
More time for teaching applications of the math.
It's hard material, that's not something that can be changed, however having more instructors like Dr. Alvarado or even reviewing the overall required course material may allow more students to succeed.
don't suggest copy everything on the board suggest copy only problems and equations
Could have some emphasis of certain problems and concepts. Might provide some sample exam sheets from the past before every exam.
The course has so much content; too much for one semester. But professor dealt with the intense pace well.
maybe less material to cover during the semester so that instructors are less rushed to cover everything and can delve further into concepts and real-world applications
The current course taught by Dr. Alvarado is excellent and perfect and I hope I can take other class, like Cac 3 and linear algebra taught by him later.
Reiterating that everything goes for exams would be helpful.
He listens to the suggestions, in which he is now gonna now work off a projector/lpad combo so he can Save his in class notes to upload to CourseWeb. It is too bad he is leaving in the next Two semesters, hopefully he is teaching Calculus 3 in the spring of 2018 in his last semester.
i like the idea of clicker questions mentioned in class, also gives opportunity for extra points which is always nice