

Question	Response Frequencies						Mean	Std. Dev.	95% CI	Omits
	5	4	3	2	1	0				
What is your overall rating of this instructor's teaching effectiveness?	<i>almost always effective</i> 16 76%	<i>usually effective</i> 3 14%	<i>sometimes effective</i> 2 10%	<i>rarely effective</i>	<i>almost never effective</i>		4.7	0.66	4.38-4.96	0
How much do you feel you have learned in this course?	<i>much more than usual</i> 7 33%	<i>more than usual</i> 8 38%	<i>about as much as usual</i> 6 29%	<i>less than usual</i>	<i>much less than usual</i>		4.0	0.80	3.69-4.40	0
What is your overall rating of this course?	<i>one of the best</i> 11 52%	<i>better than average</i> 5 24%	<i>about average</i> 4 19%	<i>worse than average</i> 1 5%	<i>one of the worst</i>		4.2	0.94	3.82-4.65	0
Rate the overall usefulness of in-class meeting time activities (e.g. lectures, discussions, teamwork, labs, etc.) in helping you achieve important course	<i>almost always useful</i> 16 76%	<i>usually useful</i> 3 14%	<i>sometimes useful</i> 1 5%	<i>rarely useful</i> 1 5%	<i>almost never useful</i>	<i>not applicable</i>	4.6	0.80	4.27-4.97	0
I was treated with respect in this class.	<i>strongly agree</i> 19 90%	<i>agree</i> 2 10%	<i>uncertain</i>	<i>disagree</i>	<i>strongly disagree</i>		4.9	0.30	4.77-5.00	0
What is your rating of this instructor compared with other instructors you have had?	<i>one of the most effective</i> 14 67%	<i>more effective than most</i> 2 10%	<i>about as effective as most</i> 4 19%	<i>less effective than most</i> 1 5%	<i>one of the least effective</i>		4.4	0.97	3.95-4.81	0
Rate the overall usefulness of outside (not in class) assignments (homework, papers, reports, special projects, online work, etc.) in helping you achieve	<i>almost always useful</i> 14 67%	<i>usually useful</i> 5 24%	<i>sometimes useful</i> 2 10%	<i>usually not useful</i>	<i>almost never useful</i>	<i>not applicable</i>	4.6	0.68	4.28-4.87	0
Rate the overall usefulness of assigned texts and readings (print or online) in helping you achieve important course goals and objectives	<i>almost always useful</i> 11 52%	<i>usually useful</i> 4 19%	<i>sometimes useful</i> 1 5%	<i>usually not useful</i>	<i>almost never useful</i>	<i>not applicable</i> 5 24%	4.6	0.62	4.31-4.94	0
On average, how many hours per week do you spend on this class, including attending class, doing readings, reviewing notes, and any other	<i>Under 2</i>	<i>2-3</i>	<i>4-5</i> 2 10%	<i>6-7</i> 3 14%	<i>8-9</i> 2 10%	<i>10-11</i> 9 43%	6.1	2.17	5.15-7.04	0
Of the total hours you spent on this class, how many were valuable in advancing your education?.	<i>almost all valuable</i> 11 52%	<i>more than half valuable</i> 8 38%	<i>about half valuable</i> 2 10%	<i>less than half valuable</i>	<i>almost none valuable</i>		4.4	0.68	4.13-4.72	0

TCE REPORT (Math Short Form (Online))

Fall-14
Angel A Chavez

MATH 122B - 014 First-Semester Calculus 55892-01-02

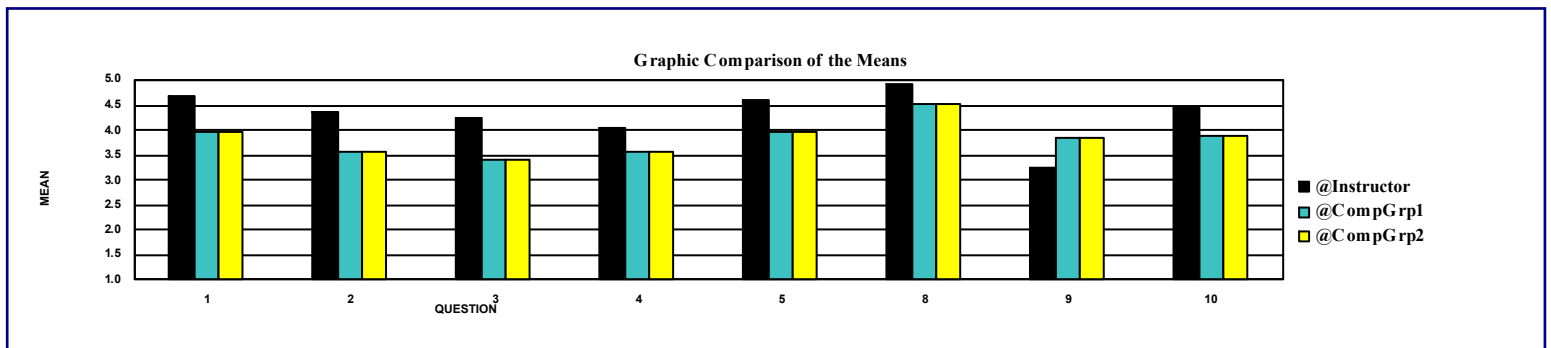
36 enrolled, 21 (58%) responded

Question	Response Frequencies					Mean	Std. Dev.	95% CI	Omits
	5	4	3	2	1				
How difficult was this course for you?	<i>much more than usual</i>	<i>more than usual</i>	<i>about the same as usual</i>	<i>less than usual</i>	<i>much less than usual</i>	3.2	0.94	2.82-3.65	0
	3 14%	3 14%	11 52%	4 19%					

Question	Response Frequencies						Std.			
							Mean	Dev.	95% CI	Omits
How much work was required for success in this course?	<i>much more than usual</i> 2 10%	<i>more than usual</i> 9 43%	<i>about the same as usual</i> 9 43%	<i>less than usual</i> 1 5%	<i>much less than usual</i>		3.6	0.75	3.24-3.90	0
How well has your previous learning and course work prepared you for success in this course?	<i>much more than usual</i> 5 24%	<i>more than usual</i> 11 52%	<i>about the same as usual</i> 3 14%	<i>less than usual</i> 1 5%	<i>much less than usual</i> 1 5%		3.9	1.01	3.41-4.30	0
How much effort overall have you put into this course?	<i>much more than usual</i> 3 14%	<i>more than usual</i> 8 38%	<i>about the same as usual</i> 10 48%	<i>less than usual</i>	<i>much less than usual</i>		3.7	0.73	3.35-3.99	0
To what extent did the course require participation in online instructional activities (individual and/or group)?	<i>much more than usual</i> 6 29%	<i>more than usual</i> 5 24%	<i>about the same as usual</i> 7 33%	<i>less than usual</i> 1 5%	<i>much less than usual</i> 2 10%		3.6	1.25	3.02-4.12	0
Rate the overall usefulness of online instructional tools and technology in this course (e.g. D2L, Blackboard, Elluminate, Moodle,	<i>almost always useful</i> 15 71%	<i>usually useful</i> 5 24%	<i>sometimes useful</i>	<i>usually not useful</i>	<i>almost never useful</i>	<i>not applicable</i> 1 5%	4.8	0.44	4.55-4.95	0
The instructor helps me learn by using active learning strategies (for example, in-class discussion, use of clicker-type questions, group	<i>strongly agree</i> 15 71%	<i>agree</i> 2 10%	<i>uncertain or neutral</i> 1 5%	<i>disagree</i> 2 10%	<i>strongly disagree</i> 1 5%		4.3	1.24	3.79-4.88	0
The instructor challenges me to think more critically about the concepts related to this course.	<i>strongly agree</i> 13 62%	<i>agree</i> 4 19%	<i>uncertain or neutral</i> 4 19%	<i>disagree</i>	<i>strongly disagree</i>		4.4	0.81	4.07-4.78	0
The instructor inspires interest in the subject matter of this course.	<i>strongly agree</i> 14 70%	<i>agree</i> 4 20%	<i>uncertain or neutral</i> 2 10%	<i>disagree</i>	<i>strongly disagree</i>		4.6	0.68	4.29-4.91	1

QUESTION	RESPONSE FREQUENCIES												Omits	
My class is	<i>freshman</i>	<i>sophomore</i>	<i>junior</i>	<i>senior</i>	<i>graduate student</i>								0	
	14	4	2	1										
	67%	19%	10%	5%										
Your major area of study?	<i>agriculture</i>	<i>Architecture</i>	<i>business or public</i>	<i>Education</i>	<i>engineering/ mining/comp</i>	<i>fine, performing,</i>	<i>health-relate d professions</i>	<i>Humanities</i>	<i>life sciences</i>	<i>physical sciences,</i>	<i>social & behavioral</i>	<i>other</i>		0
			1		7		6		3	2	1	1	-	
			5%		33%		29%		14%	10%	5%	5%		
My grade point average is.	<i>3.50-4.00</i>	<i>3.00-3.49</i>	<i>2.50-2.99</i>	<i>2.00-2.49</i>	<i>below 2.00</i>									0
	9	7	3	2										
	43%	33%	14%	10%										
Your most likely final class grade?	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E, F, or Fail</i>	<i>Pass or Satisfactory</i>	<i>Other</i>						0	
	8	9	3		1									
	38%	43%	14%		5%									
In your program this course is:	<i>elective</i>	<i>required and in major area</i>	<i>required, but not in major</i>	<i>program req. (e.g., GenEd)</i>	<i>Other</i>								0	
	1	16	3	1										
	5%	76%	14%	5%										

Question	Instructor Enrolled : 36 Responded: 21 Pct. Response: 58%			Comparison Group Descriptions			
				Comparison Group 1		Comparison Group 2	
	Mean	St. Dev.	95% CI	Mean	95% CI	Mean	95% CI
1 Overall rating of teaching effectiveness [almost always effective (5)–almost never effective]	4.7	0.66	4.38 - 4.96	3.9	3.93 - 3.96	3.9	4- 4
2 Overall instructor comparison [one of the most effective (5)–least effective (1)]	4.4	0.97	3.95 - 4.81	3.6	3.54 - 3.57	3.5	4- 4
3 Overall rating of the course [one of the best (5)–one of the worst (1)]	4.2	0.94	3.82 - 4.65	3.4	3.39 - 3.42	3.4	3- 3
4 Amount learned [an exceptional amount (5)–almost nothing (1)]	4.0	0.80	3.69 - 4.40	3.6	3.57 - 3.59	3.6	4- 4
5 Usefulness of the in-class activities [almost always useful (5)–almost never useful (1)]	4.6	0.80	4.27 - 4.97	4.0	3.97 - 3.99	4.0	4- 4
8 Students treated with respect [strongly agree (5)–strongly disagree (1)]	4.9	0.30	4.77 - 5.00	4.5	4.50 - 4.52	4.5	4- 5
9 Difficulty level of the course (new order) [extremely difficult (5)–extremely easy (1)]	3.2	0.94	2.82 - 3.65	3.9	3.85 - 3.87	3.9	4- 4
10 Value of time spent on course [almost all valuable (5)–almost none valuable (1)]	4.4	0.68	4.13 - 4.72	3.9	3.89 - 3.92	3.9	4- 4



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What did you especially like about this course?

I feel that he makes sure everyone understands topics in class, so I never feel like I am falling behind.

Lots of examples were helpful

I enjoyed the mathematician of the week Angel did.

The way the problems were worked out were very concise and it is the best way for me to learn and grasp certain concepts .

He had us work with partners and groups on harder questions which was great to hear how other students saw the problems. He also used Webassign which was great to see right away whether or not we had gotten the answer right, and to have multiple attempts to correct ourselves.

Explanation

I like the mathematician of the week, also I like how we do work but we have time to complete assignments.

I took it in high school

Nothing

This course had a good pace and it was not too quick. The instructor gave good insight in how to do the problems and was very willing to put time for me in his office hours.

Overall structure of lectures and how material was presented. Instructor was always enthusiastic and kept my attention.

The teacher

The instructor made me like calculus.

none

The workload was fitting--not too much and not too little.

The teacher

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Mr Chavez is an excellent teacher, one of my all time favorites. These are the following strategies (In no particular order) he employs that I feel helped me in my mastering of the material:

- 1) Outlining each lecture gave me a sense of direction and also gives clarity. Clear well defined objectives are always a good thing , and this is something Mr. Chavez has a firm grasp of.
- 2) Accessibility. Mr. Chavez has daily office hours and faithfully emails back thorough and clear responses to my questions if I am stumped on the material at home. He never made me feel stupid or ashamed for not knowing how to do something. He answers questions during exams, and is always always always helpful and reliable.
- 3) (This one may be the most effective) He gives us plenty of opportunities, in class and at home, to practice the output of our knowledge. He does this by assigning worksheets, quizzes, study guides and written homework. This makes the class interesting and engaging, rather than sitting back and falling asleep while someone talks at you. He also makes the class interesting and the content easy because he shows us multiple ways to do one problem, gives us various explanations about why something is the way it is, and finally, he draws a lot of visually helpful diagrams for demonstrations.

As I plan to go into academia myself, I will certainly take a page from Mr. Chavez's book and try to employ the aforementioned strategies.

He made a class that I feared, one with a lot of stigma, easy, exciting, and enjoyable. This is a satisfying class because I felt that if I put in a reasonable amount of effort, I would improve and get a reasonable grade. This class empowered me because I would be completely lost, daunted, and confused about some concept, only to master that same concept in about three days. In no other class has my personal progress been so lucid and swift. Calculus is fantastic, and a whole lot of fun. I'm sorry there are not more great teachers to do the material justice and entice more students.

Best. Teacher. Ever.

It was very well structured and there were almost no surprises.

the instructor

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What suggestions would you make to improve this course-section?

I felt that the written homework due on Fridays was abnormally hard and did not match up with the level of the class

N/As

Nothing.

Web assign sometimes had hints to look at a certain page for help, but i have an online textbook so I was not able to find the hints sometimes.

none

Nope

The explanations in class were not always clear or were difficult to communicate. On other occasions the topics were defined with steps but rarely.

Better teacher lol

Make it easier

I would say spend alittle more time on optimization and related rates sections.

More practice questions like were on the web assigns.

Have more homework points instead of almost all the class depending on 4 tests.

none

Perhaps try explaining some of the more difficult concepts more thoroughly and explaining the easy concepts less intensely?

None

The use of MYMATHLAB in lieu of webassign. Mymethlab offers explanations on how to do each problem, whereas webassign is limited in this department.

Web-Assign homework seemed like busy work, I preferred the in class homework much more.

the webassign was always very different from other homeworks and exams we took i would like it better if it was more consistent

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Please write any additional comments you may have below.

None.

N/A

N/A

None.

Thank you:)

I like that we have a chance to ask questions about the test in the class or ask questions about past assignments before the test.

He"s improved throughout the year

I really enjoyed the course I learned more this semester than last semester.

I really enjoyed coming to this class.

No additional comments.

none

Average teacher. But I think one of the better ones at the UA.

Most concepts are taught in class, but there are a few concepts that are presented in homework (Webassign and written) that have not yet been taught, or not taught at all.

None

None.

the instructor was really helpful and readily explained misunderstood information

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The instructor's presentation and board work.

He wrote EVERYTHING on the board which was very helpful. He also had great legible handwriting.

Clear and divided by section so there was no confusion.

Excellent

Done very well.

Well-prepared.

He has very nice handwriting, which is unusual for a make teacher, and wonderful because I could actually read the notes. he also made sure to leave the notes up as long as possible so that we had time to write them down and understand them. He also used videos and visual representations when he could, which helped a lot.

Yes

The presentations are not always expressed clearly, switching between boards or not labeling the topics.

He writes like way too big and is disorganized on the board. I wish it was a powerpoint

Good

The instructor gave good concrete examples of each topic. He knew what he was doing and his writing was legible.

Always prepared and passionate about his lectures.

Very good.

great

Organized. Except since he used the side board a lot, it was sometimes difficult to see, depending on where you sat in the room.

Clear and informative

Phenomenal. He used a lot of graphs to explain things like integrals and derivatives. This helped me grasp material quickly and surely.

Very neat and easy to read.

great

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The instructor's knowledge of the material and ability to help you learn the material.

He knew his material very well and I felt very comfortable in the fact that he knew what he was doing.

Had much knowledge so was able to answer any question if it was a obscure question.

Good

Very good.

Very knowledgeable.

He knew the material well enough that he could actually explain it to you instead of just showing you the solution and saying figure out the steps.

Yes

The instructors knowledge is well, I am confident my teacher knows what to do and how, however sometimes I feel some more examples are required.

He"s ridiculously smart

Good

The instructor explained each section carefully and did not miss anything we were suppose to know. He gave excellent reviews worksheets before the exam and gives us solutions.

Was always able to explain any questions efficiently and in a way in which i could understand easily.

Very good.

great

He seems to know the material well. He is a little confusing at times but you can usually get the general gist.

The instructor had a lot of knowledge regarding the subject

Again, Phenomenal. He explains the same concept using different approaches (namely, algebraically, geometrically, and with the new strategies we have yet to learn). He makes seemingly difficult content easy to understand.

He knew everything very well.

great

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The instructor's responsiveness to questions in and out of the class and availability for help.

Sometimes he did not understand my questions and what I was asking. He always responded to emails in a timely manner though.

Available for questions and help anytime and through email.

Very good

Very good.

Very frequent.

He always responded to our emails right away. He made sure to answer everyone's questions in class or meet them during office hours for extra help.

Yes

I feel like the instructor does well with this, he emails all the students reminding them of assignments and worksheets.

Good guy

Good

The instructor is always available in his office hours and helps understand the material better.

Always readily responded to emails and questions and was very available to meet whenever we had questions.

The instructor was always available and glad to help outside of class.

great

Quick responses and easy to get help.

Was always available to talk at office hours

Phenomenal. Each of my emails was met with a personalized thorough explanation. No other teacher made and uploaded an entire document with graphs and all of the works just so that I could complete-and understand-my homework. He has daily office hours, in which he tirelessly works to make sure we leave them with a better understanding of the material than when we came in.

Never shied away from a question, was always there to help.

almost always available

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The instructor's homework assignments, exams and other forms of assessment.

I felt that he gave a perfect amount of homework. It was enough so I could practice and understand the topics, but he did not overwhelm us with homework.

Homework was not overbearing and was manageable. The exams pertained to class work and homework, but not always what was on the study guide.

It was all fair

Good.

Very useful on the topic.

The assignments were a great practice of what we did in class while leading us to think more about the concepts. The exams covered exactly what we went over in class and he always gave us reviews and help before an exam.

Yes

The homework and assignments are good, they cover the main themes of the lesson but do not waste time or demand thoughtless math.

Very good

Hard

The instructor's homework assignments were very reasonable and were useful. The exams were reasonable and due-able. The worksheets were really helpful when studying for the exams.

Webassign homework was usually very challenging and sometimes complicated. Lots of in class worksheets were very helpful rather than listening to constant lecturing for 50 minutes. Exams were fairly written and we were always given proper preparation.

Very good.

okay

Good.

Not too much, not too little

His exams are extremely fair. I greatly appreciate the study guides.

Exams were worth too much in my opinion, and homework only 5%. This made exams the focal point of getting an A.

were well i got a's on all the exams thus far

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Would you recommend this instructor to a friend? Why or why not?

Yes! :) I really enjoyed the way the instructor teaches.

Yes. I think he is very relatable and passionate about math. This makes him a great teacher as he explains problems in depth, he is reasonable, and he makes sure no one falls behind.

Yes I would recommend my teacher because he is clear in instruction and grades fairly. He also makes class time useful even if it's just helping us on problems that we've gotten stuck on on previous assignments.

Probably

Yes, taught material better than the other math teachers:)

Yes, the instructor does a good job of making sure no one is left behind or if anyone has any questions at all he will make sure they get their answers.

Yes. He was nice, patient, and a very good teacher.

Because he is best teacher

I would recommend the instructor only if I knew the person had a reasonable understanding of calculus already. Some concepts that are major or perhaps other students have never seen before are past quickly.

YEah

No, it's hard

I would definitely recommend this instructor to a friend because he explains the material more in depth and is willing to help a student out. Also, he puts in more time and gives the students a chance to go in for help when needed.

Yes he is very friendly and easy to go to for help or questions. Very interested and passionate about math and makes it fun. Never attended a lecture I was bored in or fell asleep during. I wish more math instructors were like Angel.

yes, he is hard but teaches you alot

Definitely! Angel Chavez was the best math instructor I have had in the University of Arizona so far.

yes

Possibly yes. He's about average in teaching and explaining but I've had better teachers. But he can be very helpful if you need it. The workload is nice--you still understand and are able to practice concepts without overdoing the workload.

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Definitely, very clear and taught well

Yes. See above for why I would.

Yes, he was much better than my Math 122A professor.

yes he is very helpful and willingly helps students who struggle to understand certain concepts
