

## Kelly MacArthur Teaching MATH 1210 Undergraduate Calculus I LEC sec: 3 2016 Fall

There were: 109 possible respondents.

Order	MacArthur	Grip	Question Text	N	RR	My Avg	MATH Avg	MATH f16	Div Avg	Div f16	Sch Avg	Sch f16	Str Disagr	Disagr	Mild Disagr	Mild Agree	Agree	Str Agree
	MacArthur	Grip	Instructor Questions		n/a	5.67	5.14	5.17	5.12	5.17	5.28	5.35						
		Grip	Course Questions		n/a	5.59	5.03	5.06	4.99	5.00	5.15	5.30						
1			Objectives clearly stated	40	37%	5.62	5.14	5.23	5.11	5.16	5.23	5.30	3% (1)	0% (0)	0% (0)	3% (1)	20% (8)	75% (30)
2			Objectives met	40	37%	5.65	5.10	5.17	5.06	5.11	5.21	5.26	3% (1)	0% (0)	0% (0)	3% (1)	18% (7)	78% (31)
3			Content well-organized	40	37%	5.6	5.02	5.07	4.98	4.97	5.12	5.15	3% (1)	0% (0)	0% (0)	3% (1)	23% (9)	73% (29)
4			Course materials helpful	40	37%	5.65	4.94	4.96	4.92	4.92	5.11	5.15	3% (1)	0% (0)	0% (0)	3% (1)	18% (7)	78% (31)
5			Assignments & exams covered the course	40	37%	5.48	5.08	5.12	4.96	5.01	5.18	5.23	3% (1)	3% (1)	3% (1)	0% (0)	23% (9)	70% (28)
6			Learned great deal	40	37%	5.55	4.94	4.97	4.93	4.94	5.11	5.15	3% (1)	3% (1)	0% (0)	0% (0)	23% (9)	73% (29)
7			Overall effective course	39	36%	5.56	4.93	4.99	4.90	4.90	5.10	5.14	3% (1)	0% (0)	3% (1)	0% (0)	23% (9)	72% (28)
9	MacArthur		Instructor was organized	40	37%	5.65	5.10	5.17	5.07	5.10	5.22	5.27	3% (1)	0% (0)	0% (0)	5% (2)	13% (5)	80% (32)
10	MacArthur		Instructor presented effectively	40	37%	5.55	4.91	4.97	4.91	4.92	5.13	5.18	3% (1)	5% (2)	0% (0)	0% (0)	13% (5)	80% (32)
11	MacArthur		Instructor created respectful environment	40	37%	5.68	5.21	5.31	5.19	5.28	5.34	5.43	3% (1)	0% (0)	3% (1)	3% (1)	8% (3)	85% (34)
12	MacArthur		Demonstrated thorough knowledge	40	37%	5.78	5.32	5.38	5.30	5.39	5.43	5.49	3% (1)	0% (0)	0% (0)	0% (0)	10% (4)	88% (35)
13	MacArthur		Instructor encouraged questions/ opinions	40	37%	5.75	5.17	5.16	5.15	5.17	5.34	5.40	3% (1)	0% (0)	0% (0)	0% (0)	13% (5)	85% (34)
14	MacArthur		Instructor available for student consultation	39	36%	5.56	5.22	5.32	5.15	5.23	5.30	5.37	3% (1)	0% (0)	0% (0)	3% (1)	26% (10)	69% (27)
15	MacArthur		Overall effective instructor	40	37%	5.75	5.03	5.09	5.02	5.05	5.23	5.29	3% (1)	0% (0)	0% (0)	3% (1)	8% (3)	88% (35)
													Vry Discrim	Discrim	Avg	Not Discrim	Not at all D.	
			How discriminating the student was this semester	39	36%								18% (7)	26% (10)	31% (12)	15% (6)	10% (4)	
													Very Easy	Easy Grader	Avg	Hard Grader	Very Hard	
			Rating tendency - this semester	39	36%								28% (11)	18% (7)	26% (10)	18% (7)	10% (4)	

## Text Responses

## Comments on course effectiveness

I felt this course was rushed and I did not have adequate time to understand what was being taught. There was not enough time in tests.

1) I really loved the friday work sessions as groups! 2) I feel the tests often included conceptual variations to problems we never practiced in class.

Flipped classroom - Great! Group exercises, activities also nice.

The text book problems were great practice for the concept that was covered in the class room. I liked having the lecture videos on line that way they were very accessible for review at any time.

The course made the rigorous subject much easier. The daily quizzes emphasized staying caught up in the class and checked if you truly learned the material taught or not. It was separated well and built upon concepts continuously.

flipped classroom, practice problem fridays

One of the best classes I've had at the University. What's expected is VERY clear, professor MacArthur is very fair in her teaching. The flipped style of this class was also very effective.

I really enjoyed weekly assignments

video lectures are great. Working over examples in class was a great way to learn the material though teaching the subject during class time would have been nice too.

Daily quizzes and weekly assignments helped a great deal

1. Pre-recorded lectures were really helpful 2. More time on midterms (Not hard at all but very time consuming.)

Objectives were stated clearly and expectations were understood

This flipped classroom was an extremely beneficial learning environment. I felt well prepared for exams

1. I think the "flipped classroom" with the videos was a great idea - it generally helped me understand the material much better than in previous math classes, where I'd generally be sleepy in class and barely pay attention to what was being taught. 2. I think the last few sections of the course could use some improvement (mainly when we started using integrals to solve problems involving surface area and volume) - it's definitely one of the toughest sections in the course, but I still felt like I didn't understand it very well, unlike the other sections.

Flipped classroom, daily quizzes

It was an awesome class and I learned a lot. I did struggle a bit with some of it, but what else do you expect...its calculus.

The flipped classroom setting is amazing! Hands down most effective course structure I've ever experienced. Challenging weekly assignments also pushed us past our comfort zone, but gave us enough time to work through them.

Flipped classroom. The friday assignments working together.

I've learned so much in this course. At first it was hard to keep up with the pace, but once I got used to it I came to see how useful math can be. The best thing about this class was practicing problems that were useful in life. The nice thing about calculus is that things started to click for me and I came to understand why math is helpful. The only problem I had with the class was I felt that there wasn't enough time on the exams. I barely had enough time to work out the problems and rarely got the chance to check my work. If we had 5-10 extra minutes or a bit shorter test I believe my scores would've been better.

I think that practicing more complex problems in class would be beneficial.

Kelly is awesome. I really appreciate that she makes an effort to learn every student's name. It made the class environment much more comfortable. The daily quizzes were really helpful and appreciated in the long run-even though I didn't always like doing them.

Class design was perfect. Not too much homework, but enough content was given to study more if needed

The lectures followed the course of the text book. The video lectures were a very helpful additional resource

#### Instructor Comments

1) Her willingness to actively promote an open and safe classroom for all students. 2) Her "stoke was high" every single day of class which made me (a student who was taking calc I for his 3rd time) excited to try his hardest. As a result I finished the semester stronger than I had in any college math class ever (but still fearing my grade as always). Thanks Kelly for being a great Professor.

There were some concepts that were taught that I felt like were done really well and simply but there were a lot that I felt like they were breezed by instead of giving enough time for those of us who aren't math wizzes.

She was an excellent professor she knew the material and was able to answer the questions in detail. When a student had a question she would go very slowly in explaining the concept to make sure that the student understood the material.

Professor MacArthur is an amazing teacher that is able to make a very difficult subject palatable. Honestly, the class should be a longer time block.

Kelly was incredibly effective in teaching the class. She allowed credit to be made up for those that were willing to work hard for it and was available for clarification. She was relaxed and encouraged student participation and group work. very helpful, was understand off students learning styles

Kelly was awesome. Often times, especially in math, I feel the instructor judges the performance of the entire class on the top students who participate the most, but Kelly was excellent about encouraging an environment of mutual respect and open mindedness. She also related concepts of this course to either the real world or other math courses, which aided in my problem solving ability beyond this class.

Very helpful instructor, cared about the students a lot! Good assignments to give practice and understand the concepts.

Straight forward, knowledgeable, passionate. Way too strict.

1. Really cares about her students succeeding in math and spent a lot of time with them to make sure they understood the material. 2. Her teaching style and course structure made calculus very easy to understand. Overall, an excellent math instructor!

Kelly always tried to help individual students. She tried to make sure everyone knew the material.

Straight to the point teaching that focused on the subject at hand to prepare students for later math classes. Welcoming attitude made going to class enjoyable and a good experience.

I have never appreciated math until I took calculus from Kelly.

She is very competent and communicates with students in a very respectful and understanding manner

Kelly does a great job motivating students. The coursework and the videos were helpful. Optional homework is a great idea.

Very kind and constructive, always willing to help and very passionate about the class she teaches. One of the best teachers I've ever had.
Kelly was a really effective teacher. As annoying as daily quizzes and exit tickets may seem, they make sure that we learn the material and are understanding everything. I was always terrified when she would set a timer and walk around the classroom to see how people would do the problems, especially when I didn't even know how to start it. But that's what she was there for, to help me figure out the problems. Even though I will probably end up with a B in the class, I'd be proud of the B because I worked hard for it. Calculus did not come easy for me, but Kelly made it a little easier to understand.
Her knowledge of the content and ability to explain things in a very understandable way. Kelly is the best
Kelly is definitely one of the best instructors I've ever had. She was entertaining, informative, and a very effective teacher.
amazing.
She asked students to work together in groups and teach each other. She asked hard questions
She was very thorough in explaining concepts, very fair and involved teacher in her classroom.
i really like Kelly and wish I could take Calc II from her. She really cares about teaching which is always great from a teacher. She really molds the course to the class and what we need to learn instead of strictly following a calendar no matter what.
The instructor was easy to approach and ask questions when I was confused. She was always available when I needed her and got back to me when I had a concern or question.
Kelly is my favorite teacher at the university so far. She truly cares about her job and about the students she teaches. She memorized all of the names to the students in class which was admirable. I've never had a teacher with that many students put in the effort to know everyone. She also held review sessions on Thursdays which was super helpful for me to get the extra practice. I liked the structure of the class, which was watching the lecture videos at home then taking notes in class. I've truly learned a lot about calculus and feel that this class was successful in preparing students for calculus 2.
Very friendly. Took time to examine the methods students were using.