



There were: 160 possible respondents.

	Question Text	N	RR	Avg	MATH Avg	MATH f17	Div Avg	Div f17	Sch Avg	Sch f17						
Grp	Instructor Questions (MacArthur)			5.7	5.14	5.28	5.11	5.16	5.29	5.35						
Grp	Course Questions			5.46	5.04	5.16	4.98	5.01	5.15	5.34						
											Str Disagr	Disagr	Mild Disagr	Mild Agree	Agree	Str Agree
1	Objectives clearly stated	72	n/a	5.56	5.17	5.29	5.11	5.18	5.23	5.30	3% (2)	1% (1)		1% (1)	22% (16)	72% (52)
2	Objectives met	72	n/a	5.53	5.12	5.25	5.06	5.12	5.21	5.28	3% (2)	1% (1)		3% (2)	22% (16)	71% (51)
3	Content well-organized	72	n/a	5.49	5.05	5.13	4.98	4.97	5.12	5.14	3% (2)	1% (1)	3% (2)	4% (3)	15% (11)	74% (53)
4	Course materials helpful	72	n/a	5.38	4.96	5.08	4.92	4.92	5.11	5.16	3% (2)	3% (2)	1% (1)	8% (6)	17% (12)	68% (49)
5	Assignments & exams covered the course	72	n/a	5.51	5.10	5.22	4.96	5.01	5.18	5.24	4% (3)		1% (1)	4% (3)	15% (11)	75% (54)
6	Learned great deal	72	n/a	5.42	4.96	5.07	4.93	4.97	5.11	5.16	4% (3)	1% (1)	6% (4)	3% (2)	10% (7)	76% (55)
7	Overall effective course	72	n/a	5.33	4.96	5.08	4.90	4.92	5.10	5.14	6% (4)	3% (2)	1% (1)	6% (4)	13% (9)	72% (52)
9	Instructor was organized (MacArthur)	71	n/a	5.68	5.12	5.21	5.07	5.08	5.22	5.25	1% (1)		3% (2)	3% (2)	11% (8)	82% (58)
10	Instructor presented effectively (MacArthur)	71	n/a	5.54	4.94	5.06	4.91	4.91	5.13	5.18	4% (3)		1% (1)	3% (2)	15% (11)	76% (54)
11	Instructor created respectful environment (MacArthur)	71	n/a	5.8	5.24	5.41	5.19	5.31	5.35	5.44	1% (1)			1% (1)	10% (7)	87% (62)
12	Demonstrated thorough knowledge (MacArthur)	71	n/a	5.82	5.34	5.45	5.31	5.39	5.43	5.49	1% (1)		1% (1)	1% (1)	4% (3)	92% (65)
13	Instructor encouraged questions/ opinions (MacArthur)	70	n/a	5.86	5.17	5.22	5.15	5.17	5.34	5.40	1% (1)				7% (5)	91% (64)
14	Instructor available for student consultation (MacArthur)	71	n/a	5.56	5.23	5.38	5.15	5.22	5.30	5.37	1% (1)	1% (1)	1% (1)	8% (6)	10% (7)	77% (55)
15	Overall effective instructor (MacArthur)	71	n/a	5.66	5.06	5.20	5.02	5.05	5.23	5.29	3% (2)	1% (1)		3% (2)	8% (6)	85% (60)

Instructor	Text Responses
	Question: Comments on course effectiveness
	I really appreciated how the class mission statement was written on the board everyday. It may seem like a small detail but the professors that put the effort into those small details are the professors that you know actually care.
	I'm not a huge fan of flipped classrooms, but I don't dislike them either. Having the lectures on video available to watch and rewatch as needed was very helpful.
	No suggestions. The class was amazing.
	-I thought the flipped class was effective and easy to work with. -The videos contained enough information to be a solid learning tool outside of class.
	Kelly is a fantastic instructor. However, the level of homework that was required was at an overwhelming level. I would suggest taking out the weekend assignments, and changing them to a week-long assignment. Meaning you release the weekly assignment, and as you teach it during the week, the students can start filling it out. With the current system of quizzes 4 days a week plus a over the weekend assignment felt too much.
	Quizzes and weekly assignments were extremely helpful/effective on checking in on how I was doing
	1. Course structure was extremely effective; flipped classroom was great 2. Some exam questions in particular seemed overly difficult.
	The flipped classroom and TAs were helpful
	I wish we had webassign homework instead of weekly assignments, that let us have multiple tries and examples to look at for better practice. I am a very visual and pattern oriented person so that would have been a better learning technique for me.
	I really liked how the classroom was flipped, it helped me understand the material way better than any other math class I was in. I also liked that there was a weekly assignment rather than homework every night.
	The videos and in-class reviewing along with the TA review sessions.

i liked the flipped classroom style, i didn't like having to talk to my neighbors though
- The flipped classroom worked really well for me, and gave me extra opportunity to cover the material. - I feel like I didn't do enough practice, since it's not required (I have an A-, so clearly I'm doing something right? It just feels like I didn't do enough)
The online lectures sometimes went a little fast and were not completely clear. However, usually the examples in class cleared that up.
Strong focus on math grammar and losing little points here and there for small mistakes in math grammar makes it harder to learn and the actual math.
I love the flipped classroom and being able to work through problems in class after viewing lecture videos on my own; it was very conducive to learning. The frequent quizzes helped keep me on track with topics I needed to learn and having the opportunity to retry an incorrect quiz answer helped solidify the knowledge.
Clear concise
The amount of work given was nice for helping make your overall grade not get hurt as bad if we were given a small amount of assignments. The difficulty of the work was always about what we learned that day making it understandable.
daily quizzes helped me keep pace with the class book HW was essential for my understanding WA were very helpful for gaining greater depth in problem-solving Review assignments were super helpful for preparing for exams!
I feel like the video lectures would be much more helpful if they didn't go into the deriving of theorems and equations, and instead focused on doing more examples. I would also be more motivated to watch them if they weren't so long. The assignments and notes were very helpful in preparing for exams.
no
helpful good at examples
Everything was perfect 10/10
The only effective thing in the class is being able to work with peers on problem given by the professor.
Calc 2 is really hard, but with the flipped classroom style, it makes learning easier when we can do problems in class.
The notes to bring to class with formulas and problems to do together was really nice. I would have loved to see more exam worthy questions in the notes because sometimes it felt as if the exam questions were harder than what we did in the video or in class. Less hard than the homework and think that's intended.
Professor MacArthur's online lectures are a great way of teaching. This actually helped me learn math better as I could rewind, pause or re-watch the videos anytime. In addition, I like how she gives minimal lecture in class and focuses more on solving important math problems along with us, step by step. This way of teaching definitely helped me collaborate with my peers, clear out math confusions and learn about my math mistakes instantly in class (things I learned to do in this class). Hope she continues teaching this way as I think her method is very effective.
The pre lecture videos were great. Also working on problems in class where we could ask questions was very helpful.
Professor made an effort to learn individual students name which was highly impressive considering the large class size. Wish we had more opportunities for the TA's to teach in peer to peer sessions (was un-able to attend Friday SI sessions due to my work scheduling).
The flipped classroom structure was effective for my learning.
The flipped classroom allowed students to learn equally. Examples of problems in class are very beneficial when studying for tests.
Didn't like the flipped classroom.
Everything.... Calculus is hard, but Kelly makes it bearable and even fun at times. I'm biased because I enjoy math though. The flipped classroom setting rocks. The assignments are perfect for helping us learn material. There is pressure to score highly on weekly assignments since there is no opportunity to do corrections on them, but the trade off is that Kelly gives us PLENTY of help if we just ask. And that's a perfectly reasonable trade off.
I liked the flipped lecture setup where we watched lecture videos outside of class and then did examples in class. I think devoting the class time to do examples really helped solidify my understanding of the concepts.
Videos & in class exercises
The flipped classroom was extremely helpful in allowing class time to be used for questions and further explanation of course topics. The daily quizzes and weekly assignments kept us working on material frequently but didn't overburden us, allowing for effective, low-stress, learning.
Sometimes the lessons were taught sort of out of order. We would learn 2 or 3 sections and then go back to a past section and do more practice. I found that to be confusing sometimes.
The flipped classroom was very helpful. I also liked how organized and accessible the material was.
The flipped classroom was the best part of this course.
I loved the flipped classroom. I also really liked that you came and sat by me and helped me understand problems or just talked to me.
The flipped classroom was nice because I was more able to learn in that environment.
Videos were useful to watch more than once but were difficult to access.
The flipped classroom is not a good option for a math class.
Kelly is very inspirational and an amazing teacher! She cares about her students enough to learn everyone's name. The flipped classroom style is really executed well and daily quizzes allow for self-check of the concepts.
NA
One of the best courses I've taken.
The daily quizzes helped me stay on track.
Question: Instructor Comments

MacArthur	Professor MacArthur was by far one of the best professors I've ever had! MacArthur clearly had a passion for what she was doing. She wasn't one of those everyday teachers that walk in, go straight to the board, and lecture until class is over. She spent time connecting with the students and made the overall experience one I'm not soon to forget. I really appreciated her style of teaching including the reversed class, working on problems in class, MacArthur learning everyone's name, MacArthur working with students on problems at their desks, and basically everything else. The University of Utah is very lucky to have a professor like her and I'm thankful for having had the opportunity of having MacArthur as my Calc professor.
MacArthur	Nothing. She is amazing.
MacArthur	This class had the right balance of difficulty vs realistic expectations. I rather preferred Kelly's logical, to the point answers to student's questions. Some feel her answers sometimes are too harsh and not nice enough. I go to church to get feel good answers to questions, not math class. I would take Calc III from Kelly if she taught it. One of the best math teachers I've ever had.
MacArthur	1. Dr. MacArthur was constantly available for consultation and to answer in questions I had 2. Was extremely well rehearsed in mathematical concepts and teaching
MacArthur	Very intelligent, good at explaining questions, checking for comprehension and valuing participation
MacArthur	M
MacArthur	Kelly you are a fantastic instructor. I wish I could take all my math courses from you!
MacArthur	I have never had a teacher care so much as to make the class a positive and fair environment to all students. I couldn't be more thankful for that!
MacArthur	I liked how there were many chances to redo grades. I wish there had been more videos on problems that would be like the ones on tests.
MacArthur	What really helped me was that Kelly would let me struggle with the in class examples before doing it on the board, and that she was just really nice and caring to all of us.
MacArthur	Positive, kind, brave, failure-tolerant classroom indeed! Really enjoyed the format of this course.
MacArthur	The only thing I would change is the flipped classroom however I loved the class and loved the teacher
MacArthur	Very helpful at making a confusing subject make more sense since Cal II is hard. Was very fair when it came to making a mistake on a simple problem.
MacArthur	Clear Concise
MacArthur	It will be difficult to narrow this down to only two things; Kelly was a phenomenal instructor, one of the best I've ever had. She created a safe, learning-conducive environment and kept morale up which must be difficult to do in such a hard class; she sent out weekly messages of encouragement and also wrote on the board every day that it was a kind, brave, inclusive, failure-tolerant classroom which helped people feel comfortable asking any questions. She asked us questions along the way that helped build our understanding and internalize the process for finding the solutions. She is always available, quick to respond to emails, very knowledgeable, very fair, very structured, and kept us on track.
MacArthur	The only thing that I would have liked is a little bit more detail about algebraic manipulations. At times Professor MacArthur would so quickly say this formula can be written as this. then move on but I would be left confused how she got there and it was important to know. She was really good and breaking it down if you asked her but sometimes we would be going so quickly that I felt I didn't have time. Other than that she was a fantastic professor always willing to meet and help students. She presented the material really well and had useful examples for material that was confusing. I would recommend MacArthur to anyone taking this course.
MacArthur	Kelly MacArthur is a literal angel sent by the math gods. She is compassionate, knowledgeable, and insightful. I feel like she truly cares not only that I reach my academic goals (read: I want good grades), but she also cares that I actually learned something, even if it wasn't directly related to math. On top of being a fantastic human being, she's also an outstanding professor. Her online lectures are easy to follow, and her in-class lectures are spent working through material, both alone and in groups, with her there to point you in the right direction. I want to take all my classes from her. She's phenomenal.
MacArthur	Kelly is one of the most fair professors at the U. She wants to make sure that every student is involved in class and is getting the same learning opportunities as everyone else. Her confidence in teaching was also reassuring in knowing that we could get to that point someday too. Kelly encouraged questions and participation in class, stressing the importance of learning by discussing.
MacArthur	she was very easy to talk to
MacArthur	commenting on grades, along with allowing regrades/ clarification on homework quizzes, and tests. Office hours and her willingness to work with individual students situations.
MacArthur	Professor MacArthur always helped me whenever I had questions, albeit simple ones, by the end of lecture. She was never discouraging which definitely kept me motivated to seek her help whenever I was stuck and never hesitate about it. Her inspirational thoughts and positive vibes in class and in the online announcements also kept me immensely enthusiastic to keep pushing myself in math through out the semester. I learned a lot from professor MacArthur. Hope she continues to teach like this.
MacArthur	Loved that she learned my name, even if it was more near the end of the semester. There's something respectable about an established professional taking the time to learn my name that really became a confidence boost. For a while, I was struggling in the course but I think I really picked it up in the end and it felt like she took notice. I also like how she is fair to everyone and I knew that other students weren't getting a better deal than me and we all had the same opportunities to get a good score. Thanks for a great (if challenging) semester!
MacArthur	The videos were extremely helpful, and included a lot of helpful examples, although I discovered through this class that I'm not a fan of a flipped classroom style of learning.
MacArthur	One of, if not the most, effective professors I've had at the University thus far.
MacArthur	KELLY IS THE BEST MATH TEACHER I HAVE EVER HAD. She wants students to succeed and explains things so well. Really makes math easy. She cares about her students and also gives them good life advice.
MacArthur	I personally believe that if this class wasn't a flipped class, it would've been a more fun and interesting class. Also the grader for the weekly assignment is inconsistent and too harsh. If you have a tiny math grammar, you get docked 50% for that question.
MacArthur	Fantastic amazing professor 10/10 would take again.
MacArthur	The instructor Kelly did very good in teaching part.
MacArthur	super rushed after class which isn't helpful the grading for this class is too thorough

MacArthur	Kelly really wants her students to succeed, and actively works towards making her classroom a better, more failure-tolerant place. She's always looking for ways to improve her teaching, and she's really passionate about mathematics. She's also very patient and helpful to students -- she gets that math is hard, and she works to make it a more approachable subject.
MacArthur	no
MacArthur	Kelly really knows what she is doing! She makes problems that would be so confusing if taught by anyone else so simple to understand. She is very willing to help.
MacArthur	Kelly is such an amazing role-model and made this class so wonderful to take by encouraging participation from everybody and recognizing biases in STEM fields against women.
MacArthur	I was not the biggest fan of the lecture videos. The way I see it, videos should be supplementary not a replacement for scheduled lectures. Between work, commuting (1 1/2 hour to 2 hour round trip to school and back each day) and school itself, I find it easier to learn terms in a scheduled class than find additional time for a 40 minute long video lecture in the day.
MacArthur	Allowing multiple students to suggest ways to solve a problem then spending time to evaluate which ones were correct was good. Correcting me and other students on using proper terms to describe math was helpful. Also grading to ensure solutions are written properly was helpful.
MacArthur	Sometimes I wish Kelly taught all my classes. All of them until I graduate. She's that amazing. She's fair, helpful, friendly, courteous, kind... haha! Just a list of great boy/Girl Scout qualities. Really though I can't think of anything to complain about I think that she's great at noticing when something could have been done better and addressing that issue. If I had anything useful to say I would but I mean she's doing great. As far as improvements... I think every other instructor in the department should be more like Kelly. Call me crazy but it is my opinion.
MacArthur	not a flipped classroom
MacArthur	NA
MacArthur	Kelly did a wonderful job clearly stating expectations and running a very fair classroom.
MacArthur	No more flipped classroom
MacArthur	She was thorough but it was difficult to keep up, especially at the end.
MacArthur	Kelly did a wonderful job. She was always willing to listen to questions, and help students understand the answer rather than giving it to them straight out. Her method of teaching really helped me learn. I loved how she would still be teaching us things even on exams she would illustrate subtle differences between problems. She was very passionate about her work and that made my educational experience much better.
MacArthur	Your personality made it really easy to learn from you. You were very accepting of failure and very kind to every student, which I think helped facilitate learning.
MacArthur	Amazing teacher, very receptive to the needs of the students and allowed us to share our ideas about problems in a constructive way. She was also had very good resources for learning, like the daily videos and the book problems.
MacArthur	The instructor was very good at explaining the material and led a very open and inclusive classroom.
MacArthur	She is a very knowledgeable instructor and valued everyone's opinions and was very willing to help students understand. Sometimes we jumped around in the lessons and I found that a bit confusing but overall it was a good class and I learned a lot.
MacArthur	Kelly is by far the best instructor I've had at the U. She sets an example that all other instructors should seriously follow. Kelly believes that every student has the potential for success and does her best to foster that potential. Kelly is strict, but fair, and her love of mathematics is contagious. If the U has an instructor of the year award, Kelly should definitely be nominated.
MacArthur	Office hours were helpful. She is the best, caring and helpful professor.
MacArthur	I liked the way she walked us through the problems
MacArthur	I thought Kelly was really good at making the students (or me at least) feel intelligent as well as important. I felt like she legitimately cared about our success and progress.

Question Averages

