

# Student Evaluations

Chee Han Tan

This document contains detailed end of semester student evaluations for several courses that I have taught in the past 3 years.

- **Math 1050 – College Algebra**, Spring 2018 & Summer 2018
- **Math 15 - Precalculus Review**, Fall 2018
- **Math 1210 – Calculus I**, Fall 2018
- **Math 1210 - Calculus 1 Online**, Fall 2019
- **Math 1220 - Calculus 2 Online**, Spring 2020
- **Math 1080 - Precalculus Online**, Summer 2020
- **Math 12 - Calculus 1 Review**, Fall 2020 & Spring 2020
- **Math 2250 – Differential Equations and Linear Algebra**, Fall 2020

Each category is evaluated on a total of 6 points as follows:

- 1 – Strongly disagree
- 2 – Disagree
- 3 – Mildly disagree
- 4 – Mildly agree
- 5 – Agree
- 6 – Strongly agree

**University of Utah**  
**Spring 2018, MATH 1050 Coll Alg Section 5**  
 Instructor: TAN, CHEEHAN (Primary)



There were: 27 possible respondents.

	Question Text	N	RR	Avg	MATH Avg	MATH SP18	Div Avg	Div SP18	Sch Avg	Sch SP18						
Grp	Course Questions	97	n/a	5.49	5.06	5.21	4.99	5.07	5.17	5.22						
Grp	Instructor Questions	98	n/a	5.62	5.16	5.30	5.11	5.16	5.30	5.35						
											Str Disagree	Disagree	Mild Disagree	Mild Agree	Agree	Str Agree
1	Objectives clearly stated	14	52%	5.5	5.18	5.35	5.14	5.22	5.26	5.34	0% (0)	0% (0)	0% (0)	7% (1)	36% (5)	57% (8)
2	Objectives met	14	52%	5.64	5.13	5.28	5.08	5.16	5.23	5.29	0% (0)	0% (0)	0% (0)	0% (0)	36% (5)	64% (9)
3	Content well-organized	14	52%	5.29	5.06	5.16	4.99	5.03	5.14	5.18	0% (0)	0% (0)	7% (1)	0% (0)	50% (7)	43% (6)
4	Course materials helpful	14	52%	5.43	4.97	5.14	4.94	5.00	5.13	5.18	0% (0)	0% (0)	0% (0)	7% (1)	43% (6)	50% (7)
5	Assignments & exams covered the course	14	52%	5.57	5.11	5.27	4.98	5.07	5.20	5.28	0% (0)	0% (0)	0% (0)	0% (0)	43% (6)	57% (8)
6	Learned great deal	14	52%	5.36	4.97	5.16	4.95	5.04	5.13	5.18	0% (0)	0% (0)	0% (0)	14% (2)	36% (5)	50% (7)
7	Overall effective course	13	48%	5.69	4.97	5.13	4.92	4.98	5.12	5.17	0% (0)	0% (0)	0% (0)	0% (0)	31% (4)	69% (9)
9	Instructor was organized	14	52%	5.21	5.14	5.22	5.09	5.09	5.23	5.25	0% (0)	0% (0)	0% (0)	14% (2)	50% (7)	36% (5)
10	Instructor presented effectively	14	52%	5.71	4.95	5.09	4.92	4.95	5.15	5.19	0% (0)	0% (0)	0% (0)	0% (0)	29% (4)	71% (10)
11	Instructor created respectful environment	14	52%	5.71	5.25	5.41	5.22	5.31	5.37	5.45	0% (0)	0% (0)	0% (0)	0% (0)	29% (4)	71% (10)
12	Demonstrated thorough knowledge	14	52%	5.71	5.35	5.47	5.33	5.39	5.45	5.50	0% (0)	0% (0)	0% (0)	0% (0)	29% (4)	71% (10)
13	Instructor encouraged questions/ opinions	14	52%	5.71	5.19	5.31	5.17	5.20	5.36	5.40	0% (0)	0% (0)	0% (0)	0% (0)	29% (4)	71% (10)
14	Instructor available for student consultation	14	52%	5.64	5.26	5.41	5.17	5.22	5.33	5.38	0% (0)	0% (0)	0% (0)	0% (0)	36% (5)	64% (9)
15	Overall effective instructor	14	52%	5.64	5.07	5.22	5.04	5.07	5.25	5.29	0% (0)	0% (0)	0% (0)	0% (0)	36% (5)	64% (9)

**Text Responses**

**Comments on course effectiveness**

Chee was very friendly in class, but stern when he needed to be. He led the class confidently yet attentively to students that were learning slower than others.

Quizzes and homework

The way he involved the class and made sure everyone knew the material well was great

I wish the chapter notes we use to do exercises in class were more linear and organized, instead of jumping around to different subjects and topics and different pages in the notes.

The way the quizzes, exams, and homework were clearly structured to line up with each other was very helpful. The time we had to review was also always helpful. almost weekly quizzes, and group work.

We learned different methods for solving some of the equations so there were different ways we could approach a problem

learn the material do the homework, take the test. Don't know if there's any other system more effective for math.

I think the course content was well structured. Being able to teach a subject effectively is much more important than being caught up with the schedule. Sometimes we have to take more time for a problem and I think its awesome that you own that. It relieves some stress from studying for exams.

Our Teacher was very clear and specific when answering questions. I also like that he gave us small packets for each chapter of the course

I like that Chee-Han printed the notes for us in advance so we didn't waste time copying the board.

I liked the printed notes and the exam reviews

**Instructor Comments**

Chee was always available to help me understand the course material, outside of class I met with him multiple times. He was very available for meetings, considering my work schedule didn't allow me to always attend class. I appreciated him as a professor for being so helpful.

I felt confident that if I needed help I could definitely find it through the instructor or through his resources. I don't really have anything to complain about, I think he was a fantastic instructor.

Participating and being engaged in the lesson was effective in my opinion. Having a more open classroom encouraged me to focus

An efficient teacher given the amount of material the coursework was taught effectively. The instructor's teaching was interactive and felt active, in other words, they were not boring.

He offered a study group before tests

went over questions we had, had different approaches to solving.

He was very knowledgeable and respectful. He managed to get through the material both quickly and clearly, which made his lectures easy to pay attention to.

He demonstrated concepts WHILE we were learning them, instead of getting lost in definitions and terms right at the beginning of the lesson, he would demonstrate a example, and then we would go over the technical aspects. I also appreciate how fun and easy going Chee-Han is, he really seems to care for students, and makes the class fun and interesting.

Awesome teaching style, and really good at explaining problems in different ways until students get it. He is also a quick thinker and doesn't make you wait around for an explanation.

He was nice and made coming to class a fun thing, we learned the whole time but he was light hearted about it and made it enjoyable

Doing a week long review before the exam and having very flexible office hours

I could tell you really cared about teaching and your students' success and it was really appreciated. I honestly cant think of any improvements. I couldnt have asked for a better math 1050 experience.

## University of Utah

Summer 2018, MATH-M 1050 Coll Alg Section 1

Instructor: TAN, CHEEHAN (Primary)



There were: 28 possible respondents.

There were no numeric responses to this evaluation.

Instructor	Text Responses
	<b>Question: Like about course</b>
	I liked that this course has covered many important math topics that are gonna be helpful for other math related courses such as calculus.
	I believe the instructor does an excellent job breaking down concepts and allowing the exams to be true reflections of the work done in class
	Very helpful and respectful environment. Very thorough and logical professor.
	The course packet is really helpful.
	I love how organized it is, and how well the teacher explains concepts. It moves quickly, but with outside study, I haven't felt behind. Chee han is so great about answering questions!
	Chee Han is great and the class as well.
	It's fun! Cheehan tries hard to show that math is fun and easy, which helps students to relax and really learn!
	While it's difficult to take a six-week intensive, there are advantages to it. It will take up a much larger part of your day, so you find yourself thinking about the material more often. This pure focus on just learning the material as fast as you can can bring out the best in any student, and you might just end up with a better understanding of the material than you would have if you'd taken a full-semester course.
	<b>Question: Aspects changed</b>
	Since this was an accelerated course, sometimes some math topics such as rational functions and exponential functions are a little bit difficult to learn when they are taught faster. In other words, when any math topic is taught faster, its kind of hard to understand it through that sometimes its getting confusing.
	the amount of material that is taught, assigned, and tested on is difficult to keep up with but not impossible
	Pace of material covered is relatively quick, but still not too challenging.
	Honestly the only difficult thing is that it's accelerated. So if you miss even one day you feel very lost and behind.
	The quick pace. It's a lot of difficult concepts quickly, but it's been paced really well.
	I believe there should be more exercises for the more difficult subject. A little bit more resources that can help with the understanding of these difficult subjects. Not only the textbook and webassign. Sometimes Chee Han can speak a little too fast, and as a international student it can make understanding a little bit difficult.
	It's a little fast, but that makes it more effective.
	Well, it's a six-week intensive, so it's definitely difficult because of time constraints. We meet Monday-Thursday for two hours and fifteen minutes, and it's nonstop learning the whole time. The second we've covered one topic, we move on to the next. It can often feel as if there's not enough time to learn everything.
	<b>Question: Help learn</b>
TAN	The instructor explained to me step by step each math topic so that I can understand a little bit better of what that topic is really about. He also gave me some specific math examples in order for know how am I gonna solve those kind of problems and as well he gave me a specific explanation on which math method should I use.
TAN	He explains things clearly and makes them easier yo understand.

TAN	the instructor goes step by step with each problem and explains why the answer is what it is. He also shows us why we make common mistakes and why they are incorrect. I also appreciate how simply he reviews past class material so we remember the next day how to solve
TAN	Cheehan is very respectful and is able to work through problems very thoroughly.
TAN	Writing the steps on the board - it's so helpful to physically SEE what is going on with the equations and graphs instead of it just being words. Chee Han is fabulous at writing things out.
TAN	He is great at explaining topics and giving plenty of examples. He's really awesome about answering questions and helping us through. I really feel like he wants me to succeed, which is awesome in a class like this!
TAN	He explains everything very well and is always willing to help. You can tell he really understands how math works.
TAN	He encourages teamwork which makes us explain what we learned to others. He also connects with students and hears their responses while solving equations. He has a learn and apply work pace that helps us understand what we have learned and what we need to work on.
TAN	He is constantly asking if students understand the material--he sends out canvas announcements to make sure we know what to study, and he always makes time in class to help people. He also showed the class how to get to the math tutoring center, and is very open to helping students at the drop of a hat.
<b>Question: Improve learning opportunities</b>	
TAN	I noticed that the instructor is doing the best he can with the classroom through responding the student's questions regarding some math topics and as well sometimes explaining slower so that the students can have a good idea regarding math.
TAN	maybe to have the students go over some questions by themselves in class more often.
TAN	Honestly I don't see anything significantly wrong in this class. Sometimes the webassign asks us things we never talk about or have any idea how to solve so it takes away points from us
TAN	Nothing, the classroom environment is very friendly and ultimately cooperative.
TAN	I know it's accelerated, but maybe slow down a little when introducing a new topic?
TAN	I think the instructor does a great job. I think he could go a little slower when reviewing older topics that we've learned in previous classes, just so that doesn't keep us from moving forward.
TAN	Nothing really. Environment is great. He knows how to deal with students, which makes his class relaxed but at the same time focused.
TAN	Slow down just a little bit on hard equations?! And maybe use a brighter chalk on side blackboard. It's very hard for students sitting in the corners to see them.
TAN	Honestly, the only thing I can think of is that it would be great if he could find some way of writing on the blackboards that is more visible to the students. That may not be possible, of course--not much seems to show up well on the blackboards!--but if he could find something more visible, it would be nice.

## University of Utah

Summer 2018, MATH 1050 Coll Alg Section 1  
Instructor: TAN, CHEEHAN (Primary)



There were: 26 possible respondents.

	Question Text	N	RR	Avg	MATH Avg	MATH su18	Div Avg	Div su18	Sch Avg	Sch su18						
Grp	Instructor Questions (TAN)			5.51	5.16		5.11		5.29	5.75						
Grp	Course Questions			5.53	5.04		4.98		5.15	5.61						
											Str Disagr	Disagr	Mild Disagr	Mild Agr	Agr	Str Agr
1	Objectives clearly stated	12	46%	5.42	5.17		5.11		5.24	5.64	8% (1)				17% (2)	75% (9)
2	Objectives met	12	46%	5.75	5.12		5.06		5.21	5.57				8% (1)	8% (1)	83% (10)
3	Content well-organized	12	46%	5.58	5.04		4.98		5.12	5.69	8% (1)					92% (11)
4	Course materials helpful	12	46%	5.25	4.96		4.92		5.11	5.59	8% (1)	8% (1)				83% (10)
5	Assignments & exams covered the course	12	46%	5.58	5.10		4.96		5.18	5.56	8% (1)					92% (11)
6	Learned great deal	12	46%	5.58	4.96		4.93		5.11	5.61	8% (1)					92% (11)
7	Overall effective course	11	42%	5.55	4.95		4.90		5.10	5.68	9% (1)					91% (10)
9	Instructor was organized (TAN)	12	46%	5.42	5.12		5.07		5.22	5.76	8% (1)			8% (1)		83% (10)
10	Instructor presented effectively (TAN)	12	46%	5.5	4.94		4.91		5.13	5.6	8% (1)				8% (1)	83% (10)
11	Instructor created respectful environment (TAN)	12	46%	5.42	5.24		5.19		5.35	5.72	8% (1)				17% (2)	75% (9)
12	Demonstrated thorough knowledge (TAN)	12	46%	5.83	5.34		5.31		5.43	5.89				8% (1)		92% (11)
13	Instructor encouraged questions/ opinions (TAN)	12	46%	5.42	5.19		5.15		5.34	5.78	8% (1)				17% (2)	75% (9)
14	Instructor available for student consultation (TAN)	12	46%	5.5	5.23		5.18		5.30	5.72	8% (1)				8% (1)	83% (10)

15	Overall effective instructor (TAN)	12	46%	5.5	5.06		5.02		5.23	5.74	8% (1)				8% (1)	83% (10)
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Instructor	Text Responses
	<b>Question: Comments on course effectiveness</b>
	The math book helped me to understand many topics that I was having some doubts regarding on how am I going to solve several problems in the homework. The notes that the instructor had provided me contained important information for understand a little bit more about important topics for both the assignments and exams.
	Having printed packets was helpful and it was organized
	Nothing to improve on, this was the best math instructor that I have had since entering college. I have learned so much form this class and I thank it all to professor Cheehong! I would recommend this class to anyone who is struggling with math.
	Very clear objectives and thorough coverage of material made it easy to learn.
	Having our notes printed out was very helpful. I like having something to write on that is organized by what exactly we are going over, rather than trusting myself to have every single thing written down on notebook paper.
	The daily quizzes, and just going over and practicing questions. I love how in depth it was.
	The packets made a gigantic difference. Being able to go through the problems along-side the professor was amazing. Web-assign, though, sucks super bad. It is far FAR better than the ALEKS system for math, yes, but it's still excessively picky about how you answer and if it's decimals versus fractions, etc.
	The way the chapters were divided into booklets really helped with my organisation for revision and note taking in class. Chee Han was also very generous in printing them for us.
	The daily quizzes were helpful in learning and applying the materials. The discussion times in class also really helped with figuring out where we were confused and how to solve them.
	The on-line homework by WEB-ASSIGN is not in sic with the course, not very helpful on improving Algebra knowledge, some questions are not understandable, tools are not user friendly . Can we find better ones for homework ?
	<b>Question: Instructor Comments</b>
TAN	The instructor explained to me step by step each problem related to a specific topic and he also tells us which method should we use for a specific given problem. The instructor gives us some helpful hints which were helpful for doing our homework.
TAN	Great teacher. He was always available to answer any questions.
TAN	The information from the instructor was clear and easy to understand. Teaching method was amazing and the speed was just right to where I could learn everything but not be overwhelmed with all the information.
TAN	I understand that there was quite of a lot of content to cover in the half-semester class, and because of that I felt like we flew threw lessons very quickly. However, Cheehan was really good about answering questions and taking the time to completely explain something if we needed it.
TAN	Excellent lectures, Cheehan's enthusiasm for math made it enjoyable to learn. Cheehan's organization and assignments made it easy to retain all of the information needed for exams; one of the best professors I've had!!
TAN	Chee Han had a very good sense of humour which aided the learning. Also, he was super thorough and intuitive when it came to explaining concepts and questions.



TAN	Going over things on the board was very helpful. Chee Han was very thorough with his explanations and helped guide people through their questions. Make sure not to ridicule people for getting something wrong, though. Came close to happening a few times, and other professors definitely do it, but it makes it hard to want to participate.
TAN	I really liked how he had us talk to classmates with quizzes, and how he took the time to individually work with us and was so flexible. This is the only professor I would take math from if I had the choice. Talking during tests without a pencil to write stuff down was a good idea to double check with classmates and remember the proper way to do things however, there should be more time for tests though. I struggle with ADHD and he was great working with me. Greatest teacher ever
TAN	Daily Quiz!! and having chances to discuss with classmates. Students discover their weak area easily by taking The daily quiz ! Though we might not have enough time to absorb a new material for each quiz, due to this is a condensed summer course.
TAN	He made math fun by explaining it simply and effectively. He also printed out course materials for everyone so that helped with students that maybe couldn't afford to print something out or buy notebooks. He was also very helpful with helping with the assignments and helping us figure them out ourselves.

University of Utah

Fall 2018, MATH 15 Precalculus Review Section 1  
 Instructor: TAN, CHEEHAN (Primary)



There were: 14 possible respondents.

	Question Text	N	RR	Avg	MATH Avg	MATH F18	Div Avg	Div F18	Sch Avg	Sch F18						
Grp	Instructor Questions (TAN)			5.07	5.16	5.24	5.11	5.15	5.29	5.37						
Grp	Course Questions			4.11	5.04	5.10	4.98	5.00	5.15	5.21						
											Str Disagr	Disagr	Mild Disagr	Mild Agree	Agree	Str Agree
1	Objectives clearly stated	4	29%	5	5.17	5.28	5.11	5.18	5.24	5.33				25% (1)	50% (2)	25% (1)
2	Objectives met	4	29%	3.75	5.12	5.21	5.06	5.12	5.21	5.28		50% (2)			25% (1)	25% (1)
3	Content well-organized	4	29%	4.25	5.04	5.06	4.98	4.95	5.12	5.16			50% (2)		25% (1)	25% (1)
4	Course materials helpful	4	29%	3.5	4.96	5.02	4.92	4.91	5.11	5.16	25% (1)	25% (1)			25% (1)	25% (1)
5	Assignments & exams covered the course	4	29%	3.75	5.10	5.20	4.96	5.02	5.18	5.25		25% (1)	25% (1)	25% (1)		25% (1)
6	Learned great deal	4	29%	4.75	4.96	4.96	4.93	4.91	5.11	5.14				50% (2)	25% (1)	25% (1)
7	Overall effective course	4	29%	3.75	4.95	4.99	4.90	4.88	5.10	5.13		50% (2)			25% (1)	25% (1)
9	Instructor was organized (TAN)	4	29%	4	5.12	5.16	5.07	5.07	5.22	5.29			50% (2)	25% (1)		25% (1)
10	Instructor presented effectively (TAN)	4	29%	5	4.94	4.98	4.91	4.86	5.14	5.19				25% (1)	50% (2)	25% (1)
11	Instructor created respectful environment (TAN)	4	29%	5.5	5.24	5.38	5.20	5.3	5.35	5.47					50% (2)	50% (2)
12	Demonstrated thorough knowledge (TAN)	4	29%	5.5	5.34	5.44	5.31	5.41	5.44	5.52				25% (1)		75% (3)
13	Instructor encouraged questions/ opinions (TAN)	4	29%	5.5	5.19	5.24	5.15	5.18	5.35	5.42					50% (2)	50% (2)
14	Instructor available for student consultation (TAN)	4	29%	5.25	5.25	5.37	5.18	5.22	5.31	5.39				25% (1)	25% (1)	50% (2)
15	Overall effective instructor (TAN)	4	29%	4.75	5.06	5.13	5.02	5.01	5.24	5.30			25% (1)		50% (2)	25% (1)

Instructor	Text Responses
	<b>Question: Comments on course effectiveness</b>
	Cheehan went over every question for the study guide in depth. I felt like I was able to absorb a lot of new material very quickly from him. His teaching style and straight forwardness contributed to a large increase in my accuplacer score. I went from a 30% college level math score pre his class to a 70%.
	1. Simply meeting for two hours each day wasn't hardly enough time to review everything for the Accuplacer exam. Giving us access to practice problems 1-2 weeks earlier would have been more helpful. 2. Providing more tailored content would have been useful. We never even covered some of the tested content, such as the arc- trig functions. Having any kind of list of which principles and content would be on the test might have been nice since we were paying \$200 to be prepared well for it! Even being told that the Marriott Library has Accuplacer prep books on course reserve would have been nice so we might have had a better chance at scoring well, thanks to any self-taught work we could have done outside of class.
	The simple step by step process worked effectively, may recommend specific reasources to practice further on things taught
	I felt that the course did not prepare me for the accuplacer. The content discussed was not related to the test. And the teacher knew almost nothing about the accuplacer.
	<b>Question: Instructor Comments</b>
TAN	Class was very organized into logical sections. I liked how Cheehan would always ask the class what we thought was the hardest for us to understand. Then we would always start on that material. Ensuring that difficult material got covered.
TAN	1. Cheehan was great at explaining things, however, he would speak while facing the board so it was difficult to hear and understand what he was saying. He was also a very friendly and approachable person, which lessened the intimidation of needing to cover so much material in our one week of workshop. 2. Sometimes he would express total surprise over what content we would be tested on, and would tell us good luck on the exam! I don't think any of these practice problems will help you prepare for the test. So that felt a little bit disheartening to hear as a student paying for my learning time there with my own non-scholarship money, and hoping the math department would have provided a quality content experience.
TAN	Did well explaining and showing the content and going at our pace. Did well giving why explanations for how math problems could be solved

## University of Utah

Fall 2018, MATH-M 1210 Calculus I Section 18

Instructor: TAN, CHEEHAN (Primary)



There were: 49 possible respondents.

There were no numeric responses to this evaluation.

Instructor	Text Responses
	<b>Question: Like about course</b>
	The teacher is extremely patient with the students. He also explains the material quite clearly and offers a lot of extra help during office hours.
	The content that is presented and the speed at which we go. Both work very well.
	The professor teaches in a unique way that is fun yet easy to comprehend.
	Chee Han.
	Math is fun.
	Chee Han really makes you feel like he cares about you learning the material, and doesn't want to move on until he knows we don't feel completely lost.
	The instructor always explains the purpose of a math formula and makes sure the class understands the lesson.
	Chee Han does a good job of explaining and encouraging questions. I like the lecture format and I think the quizzes are done well.
	I like the instructor, CheeHan. His personality and knowledge of the subject combined allow the most learning throughout the class.
	I like what it teaches
	<b>Question: Aspects changed</b>
	When new material are introduced at first. Just like any other subject.
	The labs don't always make sense. They are difficult and sometimes confusing.
	none
	The large class. And this may be related but the instructor often does examples on the board, while he is very good at explaining the example and taking and explaining questions I find watching him do questions is not as effective as doing or at least attempting them myself.
	Requires a bit of practice.
	I think it would be really helpful if we could get the homework assignment before the material is taught, or even on the day of the section being covered. I would really like to do that homework that night, which I feel would solidify the material in my mind and memory and I would be better prepared for the next day's material. Under the current system, we do homework for things from the previous week or a few days prior usually, which I feel isn't the best for internalizing material, but it is manageable.
	It is calculus, which means there are a lot of theorems to understand and we need to know when it is proper to apply them.
	The fact that the class is so big and the chalkboards are far apart makes it a little difficult to take notes sometimes.
	The course material and how we do not do that many examples. The more examples like the test, the better.
	I think it can all be difficult since it's higher math.
	<b>Question: Help learn</b>

TAN	While he goes through the material fast, which I like, he takes plenty of time to answer questions and describe theorems and ideas thoroughly.
TAN	Uses real life examples, makes sure we understand before moving on to another topic, breaks down difficult topics in a way we can understand
TAN	Engaging, a bit of humor. It makes the class nice to be in, and makes the learning more enjoyable. Taking questions, he is very good at taking/answering questions. I also enjoy the group quizzes a lot, it ties into what I said before where I really enjoy doing examples in class.
TAN	Makes things fun and easy.
TAN	I like that he stresses the points that we absolutely need before moving on to the next material, it makes me make sure I have a working knowledge of that material. He is also very personable, and again makes sure we have the opportunity to say I'm not ready to move on yet, where he will then cover the material quickly again or from another angle of explanation.
TAN	He will stop in class to make sure we understand. He will also provide many example problems in class and assign homework that will help us have more practice. In other words he provides lots of opportunities to understand a concept.
TAN	He explains everything out and answers questions. He also has office hours if you need specific help.
TAN	The instructor consistently asks the students if they have any questions, and answers any question with no judgement.
TAN	Ask several questions to make sure we understand
	<b>Question: Improve learning opportunities</b>
TAN	More examples of material would be nice. But otherwise I really enjoy the class.
TAN	none
TAN	I would enjoy if he gave some time for the students to attempt examples and then explained them. Of course this might make completing everything on time difficult, it may not be easy to implement.
TAN	More interactive sessions.
TAN	I think his class is really great, very open. I'm actually surprised by how much people speak up and ask questions, which is indicative of Chee Han creating an environment where we feel comfortable and willing to learn.
TAN	I think the instructor already does a good job of handling our class and the learning environment. The environment is typically friendly and not stress-inducing each day. The environment is also very friendly to questions and to students seeking to understand.
TAN	Chee Han does a very good job so I can't think of anything.
TAN	Use more examples like there would be on the test.
TAN	Take more time answering questions.

## University of Utah

Fall 2018, MATH 1210 Calculus I Section 18  
Instructor: TAN, CHEEHAN (Primary)



There were: 47 possible respondents.

	Question Text	N	RR	Avg	MATH Avg	MATH F18	Div Avg	Div F18	Sch Avg	Sch F18						
											Str Disagr	Disagr	Mild Disagr	Mild Agree	Agree	Str Agree
Grp	Instructor Questions (TAN)			5.65	5.16	5.24	5.11	5.15	5.29	5.37						
Grp	Course Questions			5.39	5.04	5.10	4.98	5.00	5.15	5.21						
1	Objectives clearly stated	23	49%	5.52	5.17	5.28	5.11	5.18	5.24	5.33				4% (1)	39% (9)	57% (13)
2	Objectives met	23	49%	5.48	5.12	5.21	5.06	5.12	5.21	5.28				4% (1)	43% (10)	52% (12)
3	Content well-organized	23	49%	5.26	5.04	5.06	4.98	4.95	5.12	5.16			9% (2)	9% (2)	30% (7)	52% (12)
4	Course materials helpful	23	49%	5.43	4.96	5.02	4.92	4.91	5.11	5.16				9% (2)	39% (9)	52% (12)
5	Assignments & exams covered the course	23	49%	5.35	5.10	5.20	4.96	5.02	5.18	5.25				4% (1)	57% (13)	39% (9)
6	Learned great deal	23	49%	5.3	4.96	4.96	4.93	4.91	5.11	5.14			4% (1)	17% (4)	22% (5)	57% (13)
7	Overall effective course	22	47%	5.41	4.95	4.99	4.90	4.88	5.10	5.13			5% (1)	5% (1)	36% (8)	55% (12)
9	Instructor was organized (TAN)	23	49%	5.57	5.12	5.16	5.07	5.07	5.22	5.29				9% (2)	26% (6)	65% (15)
10	Instructor presented effectively (TAN)	23	49%	5.57	4.94	4.98	4.91	4.86	5.14	5.19				4% (1)	35% (8)	61% (14)
11	Instructor created respectful environment (TAN)	23	49%	5.74	5.24	5.38	5.20	5.3	5.35	5.47					26% (6)	74% (17)
12	Demonstrated thorough knowledge (TAN)	23	49%	5.61	5.34	5.44	5.31	5.41	5.44	5.52					39% (9)	61% (14)
13	Instructor encouraged questions/ opinions (TAN)	23	49%	5.7	5.19	5.24	5.15	5.18	5.35	5.42					30% (7)	70% (16)
14	Instructor available for student consultation (TAN)	23	49%	5.65	5.25	5.37	5.18	5.22	5.31	5.39					35% (8)	65% (15)
15	Overall effective instructor (TAN)	23	49%	5.7	5.06	5.13	5.02	5.01	5.24	5.30					30% (7)	70% (16)

Instructor	Text Responses
	<b>Question: Comments on course effectiveness</b>
	There is a lot of homework. I would recommend either reducing the amount of homework, or extending due dates/granting grace periods to turn in homework.
	CheeHan obviously puts a lot of effort into his lectures and it comes through in their effectiveness.
	The notes provided for the students made concentration on the material to be much easier. Allowing the student to work in groups when taking quizzes in order to learn rather than merely earn points was also quite affective.
	Very interactive and understanding
	I think the exams where to close to when we finished material. It would've helped me to have at least a full week to study material for the exam.
	Material was presented in a way that was easy to understand and learn
	I suggest recording the lectures and updating the online Math videos or record calc lectures and keep the old ones so there's two perspectives on the topic.
	- The notes and review were very well organized. - Challenging, but doable tests.
	The learning packages was really useful, however, I wish there was more information online or solutions to the package.
	The typed out notes were very helpful because it allowed me to pay more attention. The weekly quizzes were also very effective especially because we could collaborate.
	Practice exams and the notes were very effective for my learning.
	I enjoyed how CheeHan talked about the why we do things. Once I knew how I could apply the concept I was better able to understand it. It would have been nice to have online homework though, that way we could get instant feedback on how well we were doing with the concept.
	Guided notes helped a lot, especially because CheeHan teaches so quickly. Practice tests before any tests was also nice because we could practice what we know.
	The course was hard but at the same time still do able.
	The teacher taught well and the content was delivered to us effectively by him The teacher was able to add a good amount of fun and a amusement into his teaching process which made it much less boring to sit in lecture
	Sometimes we solved problems in small groups, I would like more of that
	Printed out notes and review sessions were helpful for learning.
	I had taken AP Calculus AB in high school the previous year and I honestly did not understand the half of what I was taught. Taking this class, I may have started with the advantage of knowing a lot of the material already, but I understand the material so much better now. We were shown many ways to solve one thing which was very helpful to me because I enjoy seeing proofs and whatnot of easy ways to solve things.
	<b>Question: Instructor Comments</b>
TAN	This instructor made me feel like he genuinely cared that I passed the course and not only that I pass, but that I understood the material. He was always willing to help, and provide insight where it was needed. He felt more like a friend than an instructor (with respectful boundaries for he and the other students), and I believe that made the class more enjoyable.
TAN	Always open to answering questions. Might be nice to have a bit more student engagement during lecture.

TAN	He is incredibly good at explaining the material in various ways so the students would completely understand what is being taught. He also dedicates a lot of time for the students for extra learning time and also provides feedback and grades quickly which helps with being on track.
TAN	Instructor was knowledgeable and presented the material in a way that was easy to understand. Instructor encouraged questions and discussion.
TAN	The way you approach certain material is helpful. Showing different ways to tackle a problem helps when learning the new content.
TAN	Reviews were good, Overall great teacher
TAN	Great teacher and overall nice and great guy
TAN	Tan was an awesome instructor. He made a connection with pretty much everyone in class by learning everyone's name very quickly. He answered questions asked during class very clearly and did his best to teach us all the course material. I had mentioned to him that I am currently undeclared in my major and he made an effort to speak to me about getting a Bachelors of Mathematics. I really enjoy math and I really enjoyed this course and because he made the effort to talk to me I have really been considering majoring in mathematics.
TAN	Chee Han learned everyone's name and answered all questions that we had. Both contributed to making the classroom a good learning environment.
TAN	I liked him
TAN	I answered this one in the first box so I'll answer that one here The course was well designed and well paced The courses content was organized in the best way possible
TAN	He was very good with questions and was very nice.
TAN	Chee Han was very nice to me when I had some health problems come up. He also was very approachable and understanding which made it easy to talk to him if I had any questions.
TAN	Loved the instructor, really took time to explain everything. Pacing was great, and care was put in with students.
TAN	I enjoyed how he fully explained each concept and discussed briefly how to apply what we learned.
TAN	He was always available to explain lessons after class if you didn't understand and he assisted with homework a great amount if you went to office hours.
TAN	Chee Han was very open to listening to students and answered all questions presented by anyone.
TAN	He was clearly passionate about the topic and not only encouraged questions but answered them without making students feel dumb.
TAN	The packages chee Han handed out was great. Also the review and practice problems are nice.
TAN	- Explained the material very thorough and well. - Great lecturer



University of Utah

Fall 2019, MATH 1210 Calculus I Section 90  
 Instructor: TAN, CHEEHAN (Primary)



There were: 76 possible respondents.

	Question Text	N	RR	Avg	MATH Avg	MATH F19	Div Avg	Div F19	Sch Avg	Sch F19							
Grp	Course Questions	345	n/a	4.96	5.06	5.11	4.99	5.03	5.17	5.21							
Grp	Instructor Questions	349	n/a	5.26	5.16	5.24	5.11	5.16	5.30	5.38							
											Str Disagree	Disagree	Mild Disagree	Mild Agree	Agree	Str Agree	
1	Objectives clearly stated	50	66%	5.22	5.18	5.28	5.14	5.20	5.26	5.32	0% (0)	2% (1)	2% (1)	12% (6)	40% (20)	44% (22)	
2	Objectives met	48	63%	5.17	5.13	5.23	5.08	5.15	5.23	5.29	0% (0)	2% (1)	0% (0)	15% (7)	46% (22)	38% (18)	
3	Content well-organized	49	64%	5.14	5.06	5.10	4.99	4.97	5.14	5.16	0% (0)	2% (1)	4% (2)	14% (7)	37% (18)	43% (21)	
4	Course materials helpful	50	66%	4.68	4.97	5.05	4.94	4.95	5.13	5.16	2% (1)	4% (2)	10% (5)	24% (12)	28% (14)	32% (16)	
5	Assignments & exams covered the course	48	63%	4.85	5.11	5.14	4.98	5.02	5.20	5.24	2% (1)	2% (1)	8% (4)	17% (8)	38% (18)	33% (16)	
6	Learned great deal	50	66%	4.78	4.97	4.99	4.95	4.96	5.13	5.14	2% (1)	6% (3)	4% (2)	20% (10)	36% (18)	32% (16)	
7	Overall effective course	50	66%	4.9	4.97	5.00	4.92	4.92	5.12	5.14	2% (1)	4% (2)	4% (2)	18% (9)	36% (18)	36% (18)	
											Str Disagree	Disagree	Mild Disagree	Mild Agree	Agree	Str Agree	N/A
9	Technical assistance provided Online	50	66%	5	5.04	5.10	4.96	4.99	5.09	5.06	0% (0)	2% (1)	0% (0)	12% (6)	22% (11)	18% (9)	46% (23)
10	Easy to schedule Online	50	66%	5.55	5.49	5.52	5.44	5.52	5.31	5.39	0% (0)	2% (1)	2% (1)	0% (0)	30% (15)	64% (32)	2% (1)
11	Recommend to a friend Online	50	66%	4.96	5.04	5.08	5.02	5.04	5.19	5.24	2% (1)	6% (3)	6% (3)	10% (5)	30% (15)	44% (22)	2% (1)
13	Instructor was organized	50	66%	5.28	5.14	5.20	5.09	5.08	5.23	5.30	2% (1)	0% (0)	0% (0)	10% (5)	42% (21)	46% (23)	
14	Instructor presented effectively	50	66%	5.04	4.95	4.98	4.92	4.92	5.15	5.21	0% (0)	2% (1)	6% (3)	16% (8)	38% (19)	38% (19)	

15	Instructor created respectful environment	49	64%	5.31	5.25	5.34	5.22	5.31	5.37	5.46	0% (0)	0% (0)	4% (2)	12% (6)	33% (16)	51% (25)
16	Demonstrated thorough knowledge	50	66%	5.3	5.35	5.43	5.33	5.42	5.45	5.53	0% (0)	0% (0)	4% (2)	10% (5)	38% (19)	48% (24)
17	Instructor encouraged questions/ opinions	50	66%	5.36	5.19	5.23	5.17	5.20	5.36	5.42	0% (0)	0% (0)	2% (1)	12% (6)	34% (17)	52% (26)
18	Instructor available for student consultation	50	66%	5.38	5.26	5.37	5.17	5.23	5.33	5.4	0% (0)	2% (1)	0% (0)	10% (5)	34% (17)	54% (27)
19	Overall effective instructor	50	66%	5.14	5.07	5.12	5.04	5.06	5.25	5.31	2% (1)	2% (1)	4% (2)	12% (6)	32% (16)	48% (24)

Text Responses	
Comments on course effectiveness	
Well organized, with plenty of media content for learning the subject. Easy to follow online course and user friendly.	
Videos & the discussion where students were able to discuss the areas they were struggling with & the fact that the professor would respond and was willing to work with students to succeed	
I liked how the practice exams were structured like the test	
Online office hours and group discussions	
Having the discussion board open for students comments and questions was very helpful. Also, encouraging interaction through some extra credit helped with the participation on the boards a lot, in turn, helping students who were struggling.	
Having a homepage with the objectives was very helpful and a great overview for the week. Also, the office hours were very helpful	
- The professor's availability to ask questions was helpful when needed. - Providing a sheet with useful equations on the exams would be extremely beneficial.	
I liked that there were always resources to use and go to	
The video lectures for this course are very comprehensive	
I felt that at times some of the homework problems didn't reflect what was being taught.	
I liked it online, where I could learn on my own time. I also liked the videos, they were pretty helpful	
1. Practice exams that mirrored the exams in format 2. Extra (optional) practice for each objective	
The webwork homework assignments are a good tool for studying. However, some questions in the homework assignments has material from lessons for the next homework assignment which made things difficult	
The practice exams were very helpful in studying for the exams.	

I think that it would be helpful if the problems in the homework were the same problems in the examples or were taken out of the book and the answers could be checked. I know that some people will just plug in the answers but let us be real, we are at the college level, if people are going to find a way to cheat they will do it either way. I think this would be helpful because sometimes if you know where you are going you have an idea of how to approach the problem and then we are getting practice doing the problem the right way. If you are totally lost and just take stabs in the dark, even if you do get it right eventually, when you think back on the problem you have a whole lot of "what did I do there?" stuffed in the memory bank mixing in with the proper way. Just like when you go to the gym, if you practice benchpress the wrong way all year because you don't know what a proper lift looks like, what makes you think you'll lift well in a competition.

I loved the online go at your own pace presentation of the course, and Prof Tan was very nice and knowledgeable! Overall a very thoughtful, attentive professor :)

I could do my work at any point of the week and it was my responsibility to do things. The layout did seem heavier on some weeks than others.

Lecture videos and online assignments were very convenient.

Some homework problems had similar examples in textbook, which was helpful. As for the weekly lecture videos posted in the modules, I think there were few examples that reflected the homework and especially the exam questions. There weren't enough of the more difficult questions explained in the lectures, yet the HW and exams had these question types. However, the exam reviews were useful for test preparation. I suggest having lecture videos each week that more in depth and closely follow the examples in the HW. I liked the discussion posts aspect of the class as I think it engaged more people in the course.

The online discussions helped me I also liked that we could ask questions on canvas

I liked I studying on my own and not having a 4hr class on my schedule

appreciated the study guides and availability for discussions

The two selections of videos made it easy to understand concepts from two instructors. Also, having the solutions to the practice exams was great!

Webwork Textbook

The class discussion board was very helpful in getting various perspectives and methods of explanation for specific problems. The lecture videos were choppy and some had missing segments altogether. This could be seen when the written work for a problem suddenly doubled from one frame to another.

1. Having multiple videos explaining the same subject allowed me to see it from different perspectives and understand the concepts more fully. 2. I wasn't able to attend the online office hours, so being able to email my questions to the instructor and have him work them out in the weekly video he posts would be an improvement. I'm not sure if this is already an option, but explicitly stating it somewhere in the syllabus would make more students aware and likely to take advantage of it.

I liked the consistency of the course. I understand what was expected of me and when my assignments were due. One suggestion for improvement would be more review content. I felt a good understanding of the content going into exams but seemed to do poorly. This could be lack of preparation on my part but I would have appreciated additional review assignments.

The videos to show how to do problems and the practice exams!

In office hours The linked videos

The fact that it was online allowed me to better schedule my other classes, and our instructor was very clean on what we were going to learn and how we were going to learn it.

relevant homework and good videos

Great course but I already knew a decent amount of calculus so this class didn't teach me much.

Homework and videos.

The use of discussion boards and the online video lectures were really helpful.

videos were helpful and HW helped me practice

more me, I learn better seeing examples, I would like to have seen possibly problems from the book explained on how to do.
<b>Provide comments about the online components of the course</b>
Study and start early
I hate online math but I didn't have a choice because I live and hour away from campus and I can't go to campus 5 days a week for a 40 minute class I would still say that an online math class should be avoided if possible.
Teacher was very organized and effective with discussion space and online office hours There was a lot of information and sources available to learn from
I think redos or make up or dropped assignments should be a thing - The recorded lectures were helpful, but I believe it would be beneficial to have some more interactive portions during or between videos to help keep attention.
The canvas page was easy to navigate. I liked the convenience and ability to go at my own pace.
Overall being able to schedule a proctored exam and take it when I have time as opposed to when a professor decides I HAVE to take it is very helpful. I don't like that there is an additional fee considering we're not using university facilities as heavily
Being able to look back at the recorded lectures made it easier to learn and do the homework.
Very simple to use, questions were laid out in such a way that you were learning from each problem to the next and using the techniques you learned from the beginning of the assignment in the end of the assignment which was nice.
Canvas is great. I am not a fan of Webwork. I liked the program we used in math 1080 much better. I wish I could remember what it was called, sorry.
Easy to schedule and take proctored exams. No problems. I had no problems with the videos or homework, however the pre and post note PDFs printed so small that they were not usable which made note taking extra lengthy.
I didn't like the homework website, I thought it was finicky and didn't work all that well. It was easy to get the assignments completed on time with all of the provided materials.
WebWork was surprisingly easy to use We need better videos.
Taking tests at Marriott Library was an overall good experience.
Flexible time schedule made it easier to adapt class needs to a work schedule.
It was convenient and easy easy to use
Very easy to schedule exam. I would only recommend an online class for a topic in which learning new materials wasn't heavily involved.
Great format! I enjoyed that there were many resources outside of the online class
It went smoothly and was easy to access

The online portions of this course were helpful and easy to follow.
It can be hard to understand what exactly the professor would like in the way of problem solving.
<b>Instructor Comments</b>
video conference was convenient and helpful
He was great. Also quick to answer emails. Always willing to help and answer any questions or concerns. I generally felt like he cared about his students learning the material and succeeding even with the fact that he had never met us in person. 12/10 would recommend this professor
I wouldn't use some of the videos when it comes to learning about some subjects just because some of the instructors teaching the subject were super confusing
Helped students in the math tutoring lab. I wish I was able to review my exams to know topics that I need to improve upon.
He was very helpful when anyone had questions and he responds quickly to emails
Communication
- The instructor was very willing to help students out, and be available when needed. - It would be beneficial if the instructor also replied to some of the discussion questions that were posted.
Having the conference meeting and the in-person/online office hours.
Great at answering questions and held to schedule very thoroughly
Very helpful instructor who made many efforts to reach out to students, as well as encourage student interaction between each other.
He made office hours accessible to everyone and added the video onto our canvas page to make it easier for us to see what other students were asking.
Answered many questions, consistent office hours, genuinely wanted to answer questions and help
Canvas page was very organized. I never felt overloaded with homework
1. did a good job of holding review sessions. 2. maybe make your own videos it might help us learn better
Cheehan Tan always had great, open availability for help. He sent out consistently thorough announcements that helped guide the online class aspect. Overall, very open and eager to help his class succeed.
Personally, I feel that WebWorK assignments should be due on Sundays as opposed to Fridays. I am a full-time employee at the hospital, meaning that my weekdays are almost always long and exhausting. The added pressure of only having a few hours after work to watch lecture videos for this course as well as others (Gen Chem II and Lab in my case), decreased the overall effectiveness of my time management. I frequently found myself rushing through assignments trying to meet the deadline. Saturday and Sunday are my catch-up days. It would have been beneficial for me to have things due on the weekends. Second, I feel some exams could have had an extra day (Saturday). On Midterm 1 (I believe) and the final, I am having to take time off of work at an understaffed and busy clinic to take my exams. Overall this made preparation more difficult and again put me under unnecessary stress. I felt better prepared and more at ease when taking exams on a Saturday at the UOnline center.
I liked the response to student questions in the question portion of canvas. This was an effective way of getting support.
They were very attentive! I joined the class a couple days late and they realized I missed an orientation section on the online class. I was embarrassed as I already pestered them about joining the class late so I didn't bother emailing them asking for an extension on the assignment I missed, but they emailed me first saying they noticed I just missed it and extended the deadline for me, very kind!
The course videos provided seem low quality, for how much we pay here I would have thought that they would be better. I ended up using Khan academy or youtube most of the time. Let me be clear though, CheeHan Tan was not the one that made the videos, they appeared to be departmental supply. Tan was a great teacher.
He was always available for help with any question. Email responses were always very timely. He was more than willing to sit down with me and discuss every single question on the exams!

1. Office hour recordings 2. Homework due at the same time each week
When asked questions over canvas about the homework, he was extremely vague and not willing to give much guidance. That was seriously frustrating Provide answers and better feedback on exams.
1. The instructor was open to meeting with students outside of office hours. 2. The instructor is very knowledgeable. I did not have much interaction with my teacher, therefore the sections marked as "Mildly agree" are marked as such simply as a default metric because I cannot offer a truly valid opinion in those subjects. The open discussions and constant weekly notice posts were helpful for understanding both the class structure and the math itself. I would request that the instructor upload explanations of his own alongside the weekly lecture videos, as it is very helpful having more than one way of explaining math concepts. I don't think it would need to be done every week, but for units that are more complex the added explanations would help.
In exams, the written work should be given points. It makes no sense to give zero points for answers that were nearly correct. I strongly disliked the multiple choice questions on the exams.
Online Discussion Part Practice Exam telling where to find similar problems in the book, but often looking at those problems did not help me to solve the problems in the assignments The instructor replied quickly to all emails and was helpful. The instructor was very attentive and respectful of students. He is a great example of providing extra help when students need it without being too lenient. I did however find the lesson notes and videos provided by the math department to be difficult to follow. The online office hours were really helpful and so was how timely he replied to emails. Communication and getting things graded quickly. Well made videos, and helpful discussions. He was available for help many times. He was good at responding to help quickly He made his availability to help very clear and was always open to help. Very easy to learn from during online office hours. Responds very quickly to questions and genuinely wants to help you.

University of Utah

Spring 2020, MATH 12 Calculus I Review Section 1  
Instructor: TAN, CHEEHAN (Additional)

There were: 20 possible respondents.

	Question Text	N	RR	Avg	MATH Avg	MATH SP20	Div Avg	Div SP20	Sch Avg	Sch SP20						
Grp	Course Questions			5.33	5.06	5.14	4.99	5.09	5.17	5.29						
Grp	Instructor Questions (TAN)			5.36	5.16	5.29	5.11	5.27	5.30	5.33						
											Str Disagree	Disagree	Mild Disagree	Mild Agree	Agree	Str Agree
1	Objectives clearly stated	8	40%	5.38	5.18	5.30	5.13	5.27	5.26	5.41					63% (5)	38% (3)
2	Objectives met	8	40%	5.38	5.13	5.21	5.08	5.15	5.22	5.34					63% (5)	38% (3)
3	Content well-organized	8	40%	5.5	5.04	5.11	4.98	5.03	5.14	5.25					50% (4)	50% (4)
4	Course materials helpful	7	35%	5.29	4.97	5.05	4.92	5.02	5.12	5.26					71% (5)	29% (2)
5	Assignments & exams covered the course	7	35%	5.14	5.11	5.17	4.98	5.09	5.19	5.34				14% (1)	57% (4)	29% (2)
6	Learned great deal	8	40%	5.25	4.97	5.08	4.94	5.05	5.12	5.24				13% (1)	50% (4)	38% (3)
7	Overall effective course	8	40%	5.38	4.96	5.05	4.91	5.01	5.11	5.24					63% (5)	38% (3)
9	Instructor was organized (TAN)	8	40%	5.38	5.12	5.19	5.07	5.15	5.23	5.35					63% (5)	38% (3)
10	Instructor presented effectively (TAN)	8	40%	5.38	4.94	5.06	4.91	5.03	5.14	5.29					63% (5)	38% (3)
11	Instructor created respectful environment (TAN)	8	40%	5.25	5.25	5.41	5.21	5.42	5.37	5.53					75% (6)	25% (2)
12	Demonstrated thorough knowledge (TAN)	8	40%	5.5	5.35	5.47	5.31	5.47	5.44	5.57					50% (4)	50% (4)
13	Instructor encouraged questions/ opinions (TAN)	8	40%	5.25	5.19	5.31	5.16	5.33	5.35	5.49				13% (1)	50% (4)	38% (3)

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14	Instructor available for student consultation (TAN)	8	40%	5.25	5.25	5.41	5.18	5.29	5.32	5.46						75% (6)	25% (2)
15	Overall effective instructor (TAN)	8	40%	5.5	5.06	5.18	5.04	5.16	5.24	5.39						50% (4)	50% (4)

Instructor	Text Responses
	<b>Question: Comments on course effectiveness</b>
	It was focused and concise
	The course material was wellorganized and clear. The professor offered a good balance of explaining problems and also giving us a chance to work them out on our own.
	The assignment packet was very effective to know the layout of the course. It also was arranged in an order that the content build on each other.
	It was nice to go over the topics in packet form. Practicing the problems helped me remember how to perform the calculations.
	lots of good review. packet had lots of instructions
	<b>Question: Instructor Comments</b>
TAN	Repeat question He was fast and clear
TAN	He was pretty clear at explaining questions that I had. He was friendly and approachable as well.
TAN	He was very considerate when helping us understand things that were unclear. We each got individual attention when we were struggling.



University of Utah

Spring 2020, MATH 1220 Calculus II Section 90

Instructor: TAN, CHEEHAN (Primary)



There were: 55 possible respondents.

	Question Text	N	RR	Avg	MATH Avg	MATH SP20	Div Avg	Div SP20	Sch Avg	Sch SP20							
Grp	Course Questions			5.43	5.06	5.14	4.99	5.09	5.17	5.29							
Grp	Instructor Questions (TAN)			5.43	5.16	5.29	5.11	5.27	5.30	5.33							
											Str Disagree	Disagree	Mild Disagree	Mild Agree	Agree	Str Agree	
1	Objectives clearly stated	13	24%	5.54	5.18	5.30	5.13	5.27	5.26	5.41					46% (6)	54% (7)	
2	Objectives met	13	24%	5.54	5.13	5.21	5.08	5.15	5.22	5.34					46% (6)	54% (7)	
3	Content well-organized	13	24%	5.46	5.04	5.11	4.98	5.03	5.14	5.25				8% (1)	38% (5)	54% (7)	
4	Course materials helpful	13	24%	5.46	4.97	5.05	4.92	5.02	5.12	5.26				8% (1)	38% (5)	54% (7)	
5	Assignments & exams covered the course	13	24%	5.38	5.11	5.17	4.98	5.09	5.19	5.34				8% (1)	46% (6)	46% (6)	
6	Learned great deal	13	24%	5.31	4.97	5.08	4.94	5.05	5.12	5.24				15% (2)	38% (5)	46% (6)	
7	Overall effective course	13	24%	5.31	4.96	5.05	4.91	5.01	5.11	5.24				15% (2)	38% (5)	46% (6)	
											Str Disagree	Disagree	Mild Disagree	Mild Agree	Agree	Str Agree	N/A
9	Technical assistance provided Online	13	24%	5.6	5.03	5.01	4.97	4.95	5.08	5.14					15% (2)	23% (3)	62% (8)
10	Easy to schedule Online	13	24%	5.54	5.49	5.46	5.46	5.40	5.32	5.27					46% (6)	54% (7)	
11	Recommend to a friend Online	13	24%	5.46	5.07	5.10	5.05	5.00	5.21	5.25				8% (1)	38% (5)	54% (7)	
13	Instructor was organized (TAN)	13	24%	5.46	5.12	5.19	5.07	5.15	5.23	5.35				8% (1)	38% (5)	54% (7)	

14	Instructor presented effectively (TAN)	13	24%	5.54	4.94	5.06	4.91	5.03	5.14	5.29					46% (6)	54% (7)
15	Instructor created respectful environment (TAN)	13	24%	5.31	5.25	5.41	5.21	5.42	5.37	5.53			8% (1)		46% (6)	46% (6)
16	Demonstrated thorough knowledge (TAN)	13	24%	5.46	5.35	5.47	5.31	5.47	5.44	5.57					54% (7)	46% (6)
17	Instructor encouraged questions/ opinions (TAN)	13	24%	5.38	5.19	5.31	5.16	5.33	5.35	5.49				8% (1)	46% (6)	46% (6)
18	Instructor available for student consultation (TAN)	13	24%	5.46	5.25	5.41	5.18	5.29	5.32	5.46					54% (7)	46% (6)
19	Overall effective instructor (TAN)	13	24%	5.38	5.06	5.18	5.04	5.16	5.24	5.39				8% (1)	46% (6)	46% (6)

Instructor	Text Responses
	<b>Question: Comments on course effectiveness</b>
	Online content was excellent and easily assessible
	Lots of examples and practice problems.
	1. Excellent explanation videos 2. Practice exams were very helpful
	Make the teaching more direct. Write out the formulas better
	Past tests and exams were readily available for review and the prerecorded lectures were good. I do prefer doing questions from the book over the questions on
	There were various options available to me for help when I was struggling with concepts or problems. The videos on canvas were very helpful.
	<b>Question: Provide comments about the online components of the course</b>
	Sometimes tricky being out of state, proctors vary many times.
	N/A
	Could be better In description
	I never had any issues with this online course.
	The online components are fine. Canvas sometimes gets flooded with announcements that arent relevant to the course, but for the most part its easy to follow.
	<b>Question: Instructor Comments</b>

TAN	Answered promptly, very professional and courteous, always available to help.
TAN	He was there
TAN	1. Consistently available to assist students 2. Fair grader
TAN	Instructor held many review sessions that were very helpful and he was always available to answer questions if needed.
TAN	They provided all the materials we needed and gave opportunity for lectures and discussions. They kept us up to date on tests after things went up in the air due to covid, and was effective at scheduling exams when it was necessary.

## University of Utah

## Summer 2020, MATH 1080 Precalculus Section 1

Instructor: TAN, CHEEHAN (Primary) Results rolled up with child course(s): MATH 108 1



There were: 33 possible respondents.

	Question Text	N	RR	Avg	MATH Avg	MATH SU20	Div Avg	Div SU20	Sch Avg	Sch SU20						
Grp	Course Questions			4.94	5.06	5.72	4.99	5.62	5.17	5.42						
Grp	Instructor Questions (TAN)			5.21	5.16	5.78	5.11	5.74	5.30	5.41						
											Str Disagree	Disagree	Mild Disagree	Mild Agree	Agree	Str Agree
1	Objectives clearly stated	7	21%	5.43	5.18	5.31	5.14	5.36	5.26	5.42			14% (1)		14% (1)	71% (5)
2	Objectives met	7	21%	4.86	5.13	5.22	5.08	5.27	5.23	5.38		14% (1)		14% (1)	29% (2)	43% (3)
3	Content well-organized	7	21%	5.14	5.06	5.03	4.99	5.12	5.14	5.27				29% (2)	29% (2)	43% (3)
4	Course materials helpful	7	21%	4.43	4.97	4.90	4.94	5.04	5.13	5.28			29% (2)	14% (1)	43% (3)	14% (1)
5	Assignments & exams covered the course	7	21%	4.57	5.11	5.14	4.98	5.15	5.2	5.34			29% (2)	14% (1)	29% (2)	29% (2)
6	Learned great deal	7	21%	5.29	4.97	5.07	4.95	5.14	5.12	5.26			14% (1)		29% (2)	57% (4)
7	Overall effective course	7	21%	4.86	4.97	4.98	4.92	5.09	5.12	5.24		14% (1)			57% (4)	29% (2)
9	Instructor was organized (TAN)	7	21%	5.29	5.12	5.11	5.09	5.21	5.23	5.38					71% (5)	29% (2)
10	Instructor presented effectively (TAN)	7	21%	5.14	4.95	5.04	4.92	5.12	5.15	5.32			14% (1)		43% (3)	43% (3)
11	Instructor created respectful environment (TAN)	7	21%	5.14	5.25	5.42	5.22	5.46	5.37	5.54			14% (1)	14% (1)	14% (1)	57% (4)
12	Demonstrated thorough knowledge (TAN)	7	21%	5.14	5.35	5.35	5.33	5.48	5.45	5.56		14% (1)			29% (2)	57% (4)
13	Instructor encouraged questions/ opinions (TAN)	7	21%	5.43	5.19	5.29	5.17	5.33	5.36	5.46				29% (2)		71% (5)

14	Instructor available for student consultation (TAN)	6	18%	5.33	5.26	5.40	5.17	5.40	5.33	5.48			17% (1)		17% (1)	67% (4)
15	Overall effective instructor (TAN)	7	21%	5	5.07	5.16	5.04	5.26	5.25	5.40		14% (1)			43% (3)	43% (3)

Instructor	Text Responses
	<b>Question: Comments on course effectiveness</b>
	The professor provided an enormous amount of resources to help students understand the material. Especially impressive communication for an online course.
	The materials were clearly stated. It was also not hard to get help from the professor.
	The main issue was the lack of genuine instruction. Students were left to their own devices entirely and instruction was given in the form of video lectures not even done by the professor. The HW was also a very large portion of the grade and the online randomized nature of the questions made the work tedious and oddly weighted towards whether you understood the format of the website.
	Specific video lectures for each lesson Video help on HW questions
	Organized by weeks, extra material was available to study.
	The group meetings and the recorded lectures were very effective for me.
	<b>Question: Instructor Comments</b>
TAN	The course material was not explained in the videos a lot of the time. Much of my learning came from youtube and other learning sources to supplement the lack of knowledge. The instructor was very good at helping when reached out to.
TAN	The instructor was always trying to make us think about the problems on the quizzes / exams for ourselves, and would often help work through problems in the weekly online meet ups. Clearly very knowledgeable.
TAN	I felt the lack of hands-on instruction made the class easy to fall behind in and made for an environment where I did not feel that the professor truly cared about whether students succeeded or failed.
TAN	He had a quick response time and made sure to have a lot of office hour opportunities
TAN	My instructor was very concerned about each and every student. He wanted to make sure that everybody understood the material to the best of their knowledge.

University of Utah

Fall 2020, MATH 12 Calculus I Review Section 1  
Instructor: TAN, CHEEHAN (Primary)

There were: 38 possible respondents.

	Question Text	N	RR	Avg	MATH Avg	MATH F20	Div Avg	Div F20	Sch Avg	Sch F20						
Grp	Course Questions			5.15	5.06		4.99		5.17	5.58						
Grp	Instructor Questions (TAN)			5.19	5.16		5.11		5.30	5.69						
											Str Disagree	Disagree	Mild Disagree	Mild Agree	Agree	Str Agree
1	Objectives clearly stated	3	8%	5.33	5.18		5.14		5.26	5.65					67% (2)	33% (1)
2	Objectives met	3	8%	5.33	5.13		5.08		5.23	5.63					67% (2)	33% (1)
3	Content well-organized	3	8%	5.33	5.06		4.99		5.14	5.58					67% (2)	33% (1)
4	Course materials helpful	3	8%	5	4.97		4.94		5.13	5.56				33% (1)	33% (1)	33% (1)
5	Assignments & exams covered the course	2	5%	4	5.11		4.98		5.20	5.53				100% (2)		
6	Learned great deal	3	8%	5	4.97		4.95		5.13	5.57				33% (1)	33% (1)	33% (1)
7	Overall effective course	3	8%	5.67	4.97		4.92		5.12	5.57					33% (1)	67% (2)
9	Instructor was organized (TAN)	3	8%	5	5.14		5.09		5.23	5.66					100% (3)	
10	Instructor presented effectively (TAN)	3	8%	5	4.95		4.92		5.15	5.59					100% (3)	
11	Instructor created respectful environment (TAN)	3	8%	6	5.25		5.22		5.37	5.73						100% (3)
12	Demonstrated thorough knowledge (TAN)	3	8%	6	5.35		5.33		5.45	5.81						100% (3)
13	Instructor encouraged questions/ opinions (TAN)	3	8%	4.67	5.19		5.17		5.36	5.71				33% (1)	33% (1)	33% (1)
14	Instructor available for student consultation (TAN)	3	8%	4	5.26		5.17		5.33	5.66		33% (1)			67% (2)	



University of Utah

Fall 2020, MATH 2250 Diff Equ & Lin Algebra Section 13  
 Instructor: TAN, CHEEHAN (Primary)



There were: 32 possible respondents.

	Question Text	N	RR	Avg	MATH Avg	MATH F20	Div Avg	Div F20	Sch Avg	Sch F20						
Grp	Course Questions			5.43	5.06		4.99		5.17	5.58						
Grp	Instructor Questions (TAN)			5.42	5.16		5.11		5.30	5.69						
											Str Disagree	Disagree	Mild Disagree	Mild Agree	Agree	Str Agree
1	Objectives clearly stated	11	34%	5.45	5.18		5.14		5.26	5.65					55% (6)	45% (5)
2	Objectives met	11	34%	5.45	5.13		5.08		5.23	5.63					55% (6)	45% (5)
3	Content well-organized	11	34%	5.45	5.05		4.99		5.14	5.58			9% (1)	36% (4)	55% (6)	
4	Course materials helpful	11	34%	5.27	4.97		4.94		5.13	5.56			27% (3)	18% (2)	55% (6)	
5	Assignments & exams covered the course	11	34%	5.45	5.11		4.98		5.20	5.53			9% (1)	36% (4)	55% (6)	
6	Learned great deal	11	34%	5.45	4.97		4.95		5.13	5.57			9% (1)	36% (4)	55% (6)	
7	Overall effective course	11	34%	5.45	4.97		4.92		5.12	5.57			9% (1)	36% (4)	55% (6)	
9	Instructor was organized (TAN)	11	34%	5.09	5.12		5.09		5.23	5.66			27% (3)	36% (4)	36% (4)	
10	Instructor presented effectively (TAN)	11	34%	5.18	4.95		4.92		5.15	5.59			18% (2)	45% (5)	36% (4)	
11	Instructor created respectful environment (TAN)	11	34%	5.45	5.25		5.22		5.37	5.73			9% (1)	36% (4)	55% (6)	
12	Demonstrated thorough knowledge (TAN)	11	34%	5.73	5.35		5.33		5.45	5.81				27% (3)	73% (8)	
13	Instructor encouraged questions/ opinions (TAN)	11	34%	5.55	5.19		5.17		5.36	5.71			9% (1)	18% (2)	73% (8)	
14	Instructor available for student consultation (TAN)	11	34%	5.55	5.26		5.17		5.33	5.66				45% (5)	55% (6)	



15	Overall effective instructor (TAN)	11	34%	5.36	5.07	5.04	5.25	5.69				9% (1)	45% (5)	45% (5)
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Instructor	Text Responses
	<b>Question: Comments on course effectiveness</b>
	The pre-lecture labs were great. I also liked the fact that pre-lectures were included.
	1. I liked how the flipped classroom worked 2. I could have used more help on the lab assignments
	The flipped classroom worked really well for this class. I wish the midterms and final had been proctored- there was cheating going on during the tests.
	I was not the biggest fan of the course setup. I did not like that it was a flipped classroom. I found it very hard to basically teach myself the material needed to pass the class and often times was confused and unsure of my answers or reasoning behind it. having the class online did not help either.
	I thought it was a great course considering it being online
	<b>Question: Instructor Comments</b>
TAN	Chee Han was very knowledgeable about the subject, however class was started late several times either because his tardiness or due to student tardiness. He was willing to help with content ,however the knowledge about the content was presented was expected to be higher than what the homework and the lectures covered.
TAN	I like how much he pushed for students to participate, and it was helpful how we did problems with classmates, but then had them explained at the end of the class by the instructor.
TAN	Chee Han was a great instructor! He genuinely cares about the subject and his students. He never makes anyone feel stupid or like theyre imposing, and he has a great grasp of English. I really enjoyed your class this semester, Chee Han :) Nathans videos were clear and covered all of the information necessary for homework and labs.
TAN	All good
TAN	I wish I was taught how to solve the questions on the worksheets as well. Having the online videos were good but I would often times have questions about the videos and no way to get them answered.