

MATH 334 Ordinary Differential Equation - Fall 2021

Section 002
Tuan Pham

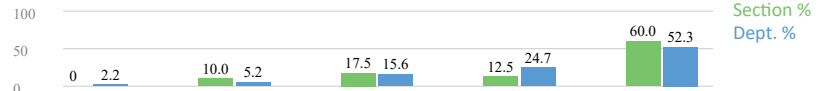
Historical Course Average
4.1

Composite Student Rating

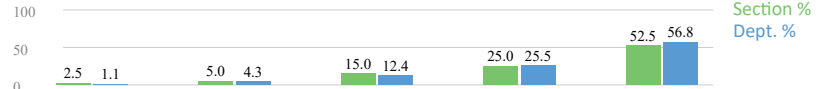
Section	4.1 - 4.7
Course	4.1
Department 300-499	4.3 - 4.5
College 300-499	4.4
University 300-499	4.5

Instructor Effectiveness

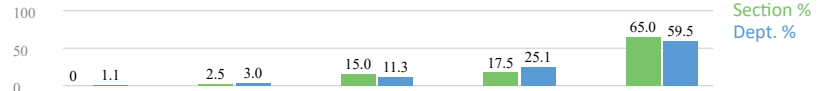
Explained concepts effectively
40 / 52 responded



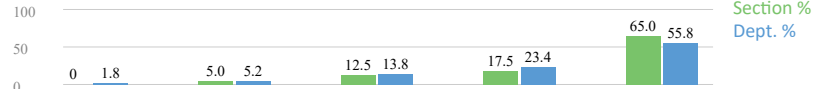
Well organized
40 / 52 responded



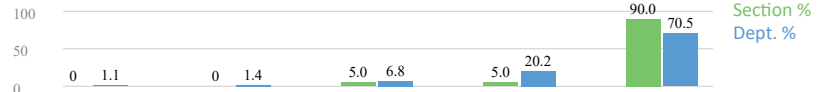
Opportunities to get help
40 / 52 responded



Opportunities for student involvement
40 / 52 responded



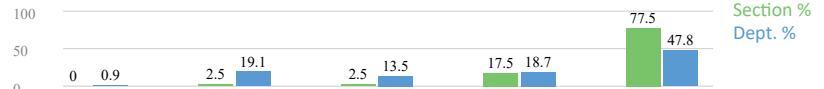
Responded to students respectfully
40 / 52 responded



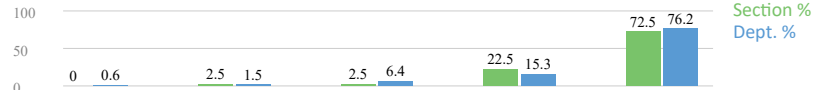
Not At All Effective Not Very Effective Moderately Effective Effective Very Effective

Helped students achieve the Aims of a BYU Education

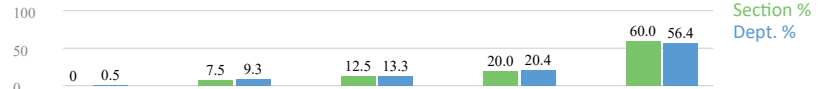
Spiritually strengthening
40 / 52 responded
Section % 88-100
Dept. % 53-60



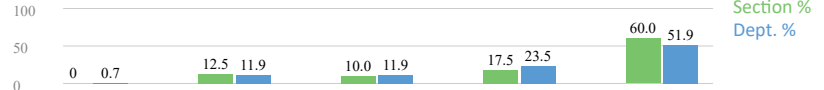
Intellectually enlarging
40 / 52 responded
Section % 88-100
Dept. % 79-84



Character building
40 / 52 responded
Section % 67-93
Dept. % 65-71



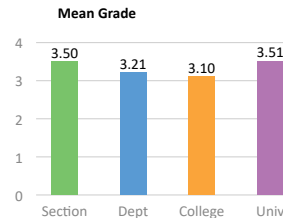
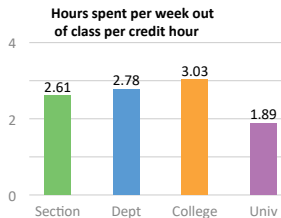
Leading to lifelong learning and service
40 / 52 responded
Section % 65-91
Dept. % 64-71



Detracted No Effect Moderately Enhanced Enhanced Strongly Enhanced

Ranges represent adjusted ranges of reasonable values for the percentage of responses in the "Enhanced" and "Strongly Enhanced" categories.

* If no range is shown, there was no variability in responses



Grade distribution (%)*

Grade	Section	Dept	College	Univ
A	51.7	51.5	45.1	68.8
B	29.3	22.3	17.2	15.4
C	5.2	11.3	7.8	3.7
D	1.7	2.8	1.6	0.9
E	0.0	2.9	3.6	1.3
W	12.1	6.4	6.3	3.1

* % may not add up to 100% due to non-ABCDEW grades

** Grade Distribution (%) as of Grade Submission Deadline

* Mean Grade as of Grade Submission Deadline

Student Comments

Note: Random ID's are assigned to students within each section and have no relevance outside of that section.

Semester	Course	Random ID	Question: Explained concepts effectively
Fall 2021	MATH 334	244952077167	Dr. Pham''s teaching made the very difficult concepts of differential equations easy to understand.
Fall 2021	MATH 334	666595264098	Taught the challenging concepts really well, so we had a good theoretical understanding, but I felt that there was a large disconnect between the theory in class and the format of the homework. Maybe do examples from the homework during class instead of really simple examples that aren''t in the format of the homework problems.
Fall 2021	MATH 334	1046608581418	There were a few tough methods that we worked through, but on days when I really paid attention in class and/or went in to get help in his office hours, the concepts made a LOT of sense. I honestly feel like DFQ isn''t any harder than multi-variable of linear algebra when Dr. Pham was teaching it.
Fall 2021	MATH 334	1004954895789	While Dr. Pham did okay in explaining concepts, he seldom explained them enough to do the homework and rendered notes useless.
Fall 2021	MATH 334	1069146525914	I felt he did an excellent job of teaching this difficult course. Everything was very clearly explained so I never felt lost (which often happens in a challenging math course).
Fall 2021	MATH 334	105206289811	I heard this class was really difficult to understand, but I felt that Professor Pham made the concepts really clear. He makes it really motivating to come to class because he teaches so clearly.
Fall 2021	MATH 334	577654742585	Conceptually, Professor Pham covered the concepts quite well and explained how they relate to eachother. I feel like organization hindered the delivery a bit though - it would have made class alot easier for me if I knew we were essentially covering the book''s reading material and videos. The class doesn''t explicitly mention this connection, but I found it very useful for my learning.
Fall 2021	MATH 334	667063766806	Very good at explaining things. Perhaps could make more help videos.
Fall 2021	MATH 334	807335541901	Very bad at getting though the lesson to teach us the challenging concepts.
Fall 2021	MATH 334	121704261130	There were multiple moments where it seemed like he was at a loss for how to explain something in class, or his explanation went wrong. He usually tried to send a correction to the class afterwards, but it would have been more effective to have the correct/better explanation in class.
Fall 2021	MATH 334	388431733398	I went to class and payed attention to all of the lectures, after nearly failing the first test I decided to start watching youtube videos instead of watching lecture. I did much better on my second midterm once I stopped paying attention to class, that is concerning.
Fall 2021	MATH 334	817654800705	took to long and always rushed the end of class where the important concepts were
Fall 2021	MATH 334	72898276937	By far, my favorite math professor at BYU.
Fall 2021	MATH 334	598217862924	This professor taught by showing examples and explaining the concepts as he went. I found this a very understandable teaching method.
Semester	Course	Random ID	Question: Well organized
Fall 2021	MATH 334	244952077167	We got behind a lot, but we never fell far enough behind to skip material.
Fall 2021	MATH 334	1046608581418	I felt like the organization was great. Other teachers may have organized it differently, but it all seemed to flow together very well.

Fall 2021	MATH 334	1004954895789	He frequently went over 50 minutes and did not always teach the material needed to do the homework.
Fall 2021	MATH 334	1069146525914	Only problem was that he got a little behind lessons sometimes, but it was minor. He did a great job of connecting everything we learned so we could see the overall picture and purpose (for example, coming back to his toolbox metaphor).
Fall 2021	MATH 334	105206289811	Learning Suite pretty clearly laid out. I appreciated the midterm study resources
Fall 2021	MATH 334	577654742585	The organization of homework grading was a challenge, and Professor Pham already acknowledged this and will make the grading better in the end. It was simply challenging to get timely feedback or know reliably what my grade would be through the semester. Also, like I mentioned, the lectures are implicitly based on the book, but there's less mention of this than I think there could be. The book was very helpful for me I think.
Fall 2021	MATH 334	769457968920	I feel that it was very organized, but it was hard for us as students at times to see this organization. It would be greatly helpful to see more of an overview of all that we have learned and to see every lecture what we will learn and add to our tool belt. I felt like often we would learn something (which was taught well) and I wouldn't know how it fit in to everything else learned in the class. I would have to go back and look at how it fits on my own.
Fall 2021	MATH 334	667063766806	Used a very good textbook.
Fall 2021	MATH 334	121704261130	The test reviews were very helpful.
Fall 2021	MATH 334	388431733398	Lectures can be a disordered mess with no lecture slides or material to help follow the material. Examples are frequently never finished in class and we go over time nearly every lecture.
Fall 2021	MATH 334	598217862924	This professor does a good job teaching the content and organizing it. If he taught using examples from the textbook, it might make the class a more cohesive learning experience for his students.
Semester	Course	Random ID	Question: Opportunities to get help
Fall 2021	MATH 334	666595264098	Always left time for questions
Fall 2021	MATH 334	1046608581418	He was very helpful in his TA hours. He would encourage us to do the problem on the board and would guide us through the problems and make sure we didn't miss any crucial steps. I found him very helpful and he always encouraged us to find additional people to study with, which is a very good thing to do and is what saved my grade. I was getting really tired with trying to figure out how to do all of the homework problems by myself, but he encouraged me to get to know another student who was there during his office hours and we did and ended up doing a lot of the homework together through the rest of the semester. I was scared to take DFQ because of all of the horror stories from other students, but Dr. Pham made it very easy and his encouragement to study with others helped facilitate me enjoying the class.
Fall 2021	MATH 334	1069146525914	Very accessible through his office hours and very willing to help.
Fall 2021	MATH 334	105206289811	Always provided time at the beginning of class for people to ask questions, and approachable for office hours. Also made supplementary videos if extra help was needed to do a homework problem.
Fall 2021	MATH 334	577654742585	answered questions well.
Fall 2021	MATH 334	667063766806	He has good office hours and has the matlab available.
Fall 2021	MATH 334	807335541901	Limited office hours and no provided help over the weekend for weekend homework due
Fall 2021	MATH 334	121704261130	His office hours were hard to access for me personally, but I think he was trying to make it accessible for the majority and I just happened to have a weird schedule. It would have been helpful to have a TA as well.

Fall 2021	MATH 334	598217862924	One of the most helpful instructors I've had at BYU.
Semester	Course	Random ID	Question: Opportunities for student involvement
Fall 2021	MATH 334	1046608581418	He would have us do problems in class and the best thing he did was to give us a midterm or final review guide in class and work on it with other people for a few minutes and then we would review the answers to a few problems, which helped me find gaps in my understanding and immediate feedback on confusions that I might have had with a type of problem.
Fall 2021	MATH 334	105206289811	Very encouraging to do the problems and to work with others.
Fall 2021	MATH 334	577654742585	Always had time for questions and working with partners. I liked this.
Fall 2021	MATH 334	288502878101	He just asked for students to raise hands to comment. Having more student participation in the lecture could help more students learn.
Fall 2021	MATH 334	667063766806	Gives example problems in class. Does a good job.
Fall 2021	MATH 334	388431733398	Homework was the only interaction we had with the course material.
Fall 2021	MATH 334	598217862924	He gave opportunity for us to practice in class, but I think he could do it more often.
Semester	Course	Random ID	Question: Responded to students respectfully
Fall 2021	MATH 334	1046608581418	He was very respectful to all students and was very aware of being respectful at all times.
Fall 2021	MATH 334	1004954895789	He is a nice guy.
Fall 2021	MATH 334	105206289811	Very open to questions and good at answering them and asking if his responses answered the question. Also made an effort to learn people's names.
Fall 2021	MATH 334	577654742585	Very respectful and encouraged questions.
Fall 2021	MATH 334	667063766806	Answered questions very well. Was flexible to help students.
Fall 2021	MATH 334	121704261130	He's very kind and tries to be fair.
Fall 2021	MATH 334	388431733398	He was able to somewhat answer questions, however the major concern of homework grading was never addressed. My homework from the second week of class still has not been graded even after it being pointed out weeks ago.
Fall 2021	MATH 334	598217862924	I haven't had a more respectful professor than Professor Pham at BYU.
Semester	Course	Random ID	Question: Spiritually strengthening
Fall 2021	MATH 334	244952077167	Dr. Pham understands how the Gospel and Math work together in harmony so well. He really made learning math feel like something spiritual.
Fall 2021	MATH 334	1046608581418	He would often start the class with a very short spiritual thought or include quips here and there about
Fall 2021	MATH 334	1004954895789	He always shares a spiritual message before class.
Fall 2021	MATH 334	417214510905	He always had someone say a prayer at the beginning of class and he gave a little spiritual thought a lot. I really liked that, especially in a math class where not everyone thinks to do it!
Fall 2021	MATH 334	1069146525914	Spiritual thoughts and connections to class content was regular and sincere.
Fall 2021	MATH 334	235182918059	Thanks for the great stories and spiritual messages! Those help so much!
Fall 2021	MATH 334	784335692815	This is a math class

Fall 2021	MATH 334	486921113595	I really appreciate starting every class with a prayer, and the short spiritual thought was always great.
Fall 2021	MATH 334	577654742585	Made class uplifting and positive.
Fall 2021	MATH 334	667063766806	Prayers before class and a spiritual thoughts helped.
Fall 2021	MATH 334	996108531571	I appreciate his informal spiritual thoughts at the beginning of class.
Fall 2021	MATH 334	121704261130	I'd definitely enjoy hearing from him during a sunday school lesson. He really tried to invite the spirit.
Fall 2021	MATH 334	388431733398	He is a very spiritual man. Very good charactered and shares spiritual experiences frequently.
Fall 2021	MATH 334	598217862924	This professor always sought to uplift his students at the beginning of every lecture.
Semester	Course	Random ID	Question: Intellectually enlarging
Fall 2021	MATH 334	784335692815	This is a math class
Fall 2021	MATH 334	577654742585	very expanding concepts and I feel very empowered from this!
Fall 2021	MATH 334	667063766806	Very hard material. Taught very well.
Fall 2021	MATH 334	388431733398	Not a super great class to learn in, very easy to get lost.
Fall 2021	MATH 334	598217862924	I learned a lot in this class.
Semester	Course	Random ID	Question: Character building
Fall 2021	MATH 334	1004954895789	it was hard
Fall 2021	MATH 334	784335692815	This is a math class
Fall 2021	MATH 334	577654742585	I feel like a more gritty mathematician after tackling the homework in this class.
Fall 2021	MATH 334	667063766806	Encouraged teamwork.
Fall 2021	MATH 334	388431733398	This class taught me some character for sure, like how to figure out how to learn independent from the math department.
Fall 2021	MATH 334	598217862924	I didn't grow my character in this class.
Semester	Course	Random ID	Question: Leading to lifelong learning and service
Fall 2021	MATH 334	784335692815	This is a math class
Fall 2021	MATH 334	577654742585	Yes for sure. I will have more tools to serve now.
Fall 2021	MATH 334	667063766806	Encouraged us to work together.
Fall 2021	MATH 334	388431733398	Through this course I have learned how to learn on my own. I have learned how to research things and how to learn independent of BYU. It is quite shameful that this is the main lesson I have learned from my time in Differential Equations, but here we are.
Fall 2021	MATH 334	598217862924	No comment.
Semester	Course	Random ID	Question: Hours spent out of class
Fall 2021	MATH 334	666595264098	Each homework assignment took anywhere from 2-4 hours. Every once in a while 5 hours

Fall 2021	MATH 334	1046608581418	Homework was the biggest. We had 2 assignments due each week which each took between 2-5 hours to complete
Fall 2021	MATH 334	1004954895789	homework is so hard
Fall 2021	MATH 334	417214510905	homework
Fall 2021	MATH 334	784335692815	homework and studying
Fall 2021	MATH 334	105206289811	Doing homework and reading from the textbook
Fall 2021	MATH 334	577654742585	Homework was quite challenging! My roommate is a competitive mathematician and that helped alot for me to have that support and help.
Fall 2021	MATH 334	667063766806	2 assignments per week is very fair.
Fall 2021	MATH 334	807335541901	Homework. So long and so hard with little to no help.
Fall 2021	MATH 334	505980775941	Mostly doing homework assignments
Fall 2021	MATH 334	388431733398	I spent my time trying to relearn the content on the internet
Fall 2021	MATH 334	598217862924	The homework was sufficient for a 3 credit hour course.
Semester	Course	Random ID	Question: Additional comments
Fall 2021	MATH 334	531240985450	Professor Pham is great at teaching some conceptual ideas, but he could do more examples in class based on the homework and what we would encounter in the real world and on the tests.
Fall 2021	MATH 334	244952077167	The encouragement to use Mathematica was nice.
Fall 2021	MATH 334	666595264098	Move faster through the material in class. He spent a lot of time explaining really obvious things that he had already explained quite a few times in previous classes and didn't spend enough time moving through the material. It is better to get a general overview of the ENTIRE problem than a detailed look at just the first two-thirds of the problem or topic. Absolutely LOVED the extra videos that he posted after class. These were really really helpful.
Fall 2021	MATH 334	962979896558	Such a nice person and does a good job of trying to make the lectures build on each other. Has a big problem with timing during class as we almost always went over by 2 minutes.
Fall 2021	MATH 334	543717910292	I love Dr. Pham! He knows the names of at least half of his class right off the top of his head, and throughout the entire semester he attempted to learn everyone's name. He cares for us, we always start class with a prayer and he ends up giving a 2 minute spiritual thought each class usually related to our topic of study. The tests were a good level of difficulty. The homework prepared you for test and the exams tested your knowledge of the concepts and not "how much computation can you do without making a mistake". I would recmmomed him to everyone.
Fall 2021	MATH 334	1004954895789	Tuan Pham is a great person but I felt like the math majors had a huge advantage in this class. His tests are fair but the homework is ridiculously hard and I feel as though I would have done better on the tests if the homework reflected test material instead of extremely difficult concepts that we are not tested on.

Fall 2021	MATH 334	417214510905	Dr. Pham was an incredible instructor. He was my favorite math professor I've had at BYU because he did such a good job of teaching really difficult material. Honestly I still found it very confusing because it is not intuitive subject matter for me, but he made it so much easier. I felt like I actually learned from lecture and wanted to go to class. If I asked questions during class, he always understood what I was asking and had a quick and accurate answer for me, which made the learning process so much easier. He welcomed questions and took a lot of time to explain things for us that we didn't understand the first time around. He provided opportunities in class to work on problems and engage in the learning process, which I liked. Dr. Pham is very knowledgeable and also very approachable and kind, which is a very good combination. I wish I could take more classes from him because he was incredible! He also has a good sense of humor, which made class more interesting. I loved taking this class from him and I feel lucky that I got to!
Fall 2021	MATH 334	1069146525914	Great course and teacher.
Fall 2021	MATH 334	784335692815	Professor Pham often misallocated class time, resulting in important concepts not being taught or only being taught very briefly. For example, 40 minutes of one class period was used to teach unstable and stable spiral points instead of the more complicated material we needed to know. We didn't learn the necessary material to be able to do the homework, so I had to learn from the textbook how to do it. The next day, he sent out a video on how to do it, but the teaching process would have been smoother had he organized his time to be able to teach this in class. This was a recurring thing. Most class periods of the semester, Professor Pham spend too much time on a relatively simple topic, and then went over time in class, and sometimes had to send external video content. If the lectures could be organized more efficiently, the course would be significantly better. Professor Pham is good at teaching concepts in general, and I enjoyed and learned a lot from his class.
Fall 2021	MATH 334	36266060689	N/A
Fall 2021	MATH 334	137366835194	I really enjoyed the class. Thank you for being such a great professor! I loved the structure with the homework and the lecture, etc. I also loved the extra credit you offered. The reviews were helpful to study for the test and it was great to earn a little bit of extra credit as well. My one small critique is that I wish we didn't spend so much time at the beginning of class going over peoples questions because then we were always rushed at the end of class when we were going over the most important part of the lecture. Other than that the class was fantastic!!
Fall 2021	MATH 334	105206289811	I really enjoyed this class and I really appreciate Professor Pham's teaching and kindness as a teacher. For the course, (this isn't against Prof. Pham) the grading of the assignments was really slow, which is frustrating because they would only be graded halfway which makes it hard to know how you're doing in the class.
Fall 2021	MATH 334	577654742585	Professor Pham is an amazing teacher and I loved class!
Fall 2021	MATH 334	195024076064	Dr. Pham is a great teacher. However, he often runs out of time at the end of class. I appreciate the fact that he adjusts the course accordingly. I know he even skipped a section because we were running behind. Dr. Pham did not test us on that section. He writes the tests so that they are very doable and is good at teaching the concepts. I think he might just need more experience teaching the course so that the timing can be done better. I know this is only the second year he's taught the course. However, like I said, he hasn't expected us to learn things on our own that we didn't cover in class. I know some professor's would expect that and I appreciate that he doesn't.
Fall 2021	MATH 334	769457968920	Amazing teacher, you can tell he cares and he really tried to learn all students names, even me that sat in the very back of the class and never talked.
Fall 2021	MATH 334	10458542767	It would have been awesome to grade our own homework so we could get direct feedback. I felt like the homework was helpful but would have been much more effective if we have timely feedback. I like how the final is not comprehensive. I felt like if you start the class off without answering questions about the homework you would not have to rush at the end of class to explain something. In my opinion, if a student has a question about homework they can talk to you during office hours. I feel like class time is not the best place to answer those questions. Question time may be better at the end.

Fall 2021	MATH 334	288502878101	None
Fall 2021	MATH 334	667063766806	More help videos would be great. The ones he put out were great. More would be better.
Fall 2021	MATH 334	807335541901	He constantly went over class time, there were no TA hours, only his office hours and I could never go to them. The math lab doesn't help very much since they don't know how to do it. Never gets through the lessons so we never know how to do the homework. He barely covers the basics and the text book doesn't help us learn or know how to do the homework.
Fall 2021	MATH 334	121704261130	My two main complaints with my experience in this class are this: The homework took forever to be graded. I don't know how much control Dr. Pham has over that situation, but we were completely in the dark with how we were doing on the homework for almost the entire semester, which made preparing for tests difficult. The other thing was that Dr. Pham struggled to cover the material in a timely manner. He got better as the semester went on, but more often than not class started a few minutes late and ended a few minutes late, which was kind of annoying. He was flexible with homework due dates as a result, which was nice. That being said, this is the best experience I have had with the BYU math department so far.
Fall 2021	MATH 334	505980775941	He is a fantastic teacher with one of the best hearts I've ever seen. You should give him a raise!
Fall 2021	MATH 334	388431733398	Y'all seriously need to work a little on the Math department. From Linear Algebra to Multivariable Calculus, it just has never clicked with me as an Engineering Student. I am not sure if anyone reads any of these, but I am going to give some advice as to how I would restructure this course. - WHAT I WOULD FIX - 1. Provide slides and visual examples: half the battle is understanding what the math even is and what is happening. For those who are not a math professor we have no idea what these things are. My first question when researching after my first mid term was "what is a differential equation" which was kindly explained to me by Youtube. 2. PROVIDE SOME LECTURE SLIDES!!! - This not only will create some structure in the course, but it will also allow for us students to know what to review and prep for when it comes to exams. This would also eliminate tangents in class. 3. Don't just give us textbook problems - Textbook problems are great, but the exams and textbook problems are not one and the same at all. I understand that this class has prerequisites, but requiring complex page long integrations on nearly every problem is, in my mind, distracting from the course material itself. My suggestion, give half the problems as simple examples created by the teacher that are similar to exam problems, give say 6 per assignment and design them to take 5 mins each. Then give 3-5 textbook problems (10-30 mins each). This would better teach the material in my mind and allow us to move from simple to complex, I believe this method works because it is what khan academy does and it taught me much better than what I learned in class did. 4. Split the class up into either more midterms, or give some more weight to something other than exams, maybe weekly quizzes or something of the sort. But each exam being worth 25% of the grade with little to no study material is a terrible combination.
Fall 2021	MATH 334	598217862924	Professor Pham does a great job relating to his students. He works with questions and concerns that you have and is invested in your individual success. He is passionate about what he teaches and seeks to teach in a way that his students can understand.