



Rutgers University Student Instructional Rating

Fall 2019

Echeverria Echeverria, Mariano - ME498

Multivariable Calc - 01:640:251:H1, H2, H3

Survey Form: *Standard SIRS

Enrollment: 84

Responses Received: 64

University-wide Instructor Questions

Weight of responses: 1=SD (Strongly Disagree), 2=D (Disagree), 3=N (Neutral), 4=A (Agree), 5=SA (Strongly Agree), Resp=Number of Student Responses

Weighted Means: Section, Course, Level, Department

	SD	D	N	A	SA	Resp	Section	Course	Level	Dept
The instructor Mariano Echeverria Echeverria was prepared for class and presented the material in an organized manner.	1	0	4	19	40	64	4.52	4.30	4.30	4.35
The instructor Mariano Echeverria Echeverria responded effectively to student comments and questions.	1	0	0	14	48	63	4.71	4.04	4.11	4.23
The instructor Mariano Echeverria Echeverria generated interest in the course material.	1	0	1	10	52	64	4.75	3.96	3.95	4.07
The instructor Mariano Echeverria Echeverria had a positive attitude toward assisting all students in understanding course material.	0	0	0	3	60	63	4.95	4.15	4.24	4.35
The instructor Mariano Echeverria Echeverria assigned grades fairly.	0	1	0	13	50	64	4.75	4.00	4.09	4.21
The instructional methods of Mariano Echeverria Echeverria encouraged student learning.	0	1	1	19	41	62	4.61	3.95	3.96	4.06

Teaching Effectiveness

Weight of responses: 1=P (Poor), 2=F (Fair), 3=A (Average), 4=G (Good), 5=E (Excellent), Resp=Number of Student Responses

Weighted Means: Section, Course, Level, Department

	P	F	A	G	E	Resp	Section	Course	Level	Dept
I rate the teaching effectiveness of the instructor Mariano Echeverria Echeverria as:	0	1	3	19	41	64	4.56	3.96	3.99	4.07

University-wide Course Questions

Weight of responses: 1=SD (Strongly Disagree), 2=D (Disagree), 3=N (Neutral), 4=A (Agree), 5=SA (Strongly Agree), Resp=Number of Student Responses

Weighted Means: Section, Course, Level, Department

	SD	D	N	A	SA	Resp	Section	Course	Level	Dept
I learned a great deal in this course.	0	0	4	25	35	64	4.48	4.13	4.11	4.06
I had a strong prior interest in the subject matter and wanted to take this course.	1	1	9	27	24	62	4.16	3.78	3.77	3.53

Course Quality

Weight of responses: 1=P (Poor), 2=F (Fair), 3=A (Average), 4=G (Good), 5=E (Excellent), Resp=Number of Student Responses

Weighted Means: Section, Course, Level, Department

	P	F	A	G	E	Resp	Section	Course	Level	Dept
I rate the overall quality of the course as:	0	0	6	27	30	63	4.38	3.80	3.84	3.87

What do you like best about this course?

These comments are intended for all instructors.

Comments
The new and novel applications of Calc 2.
It is a very fun topic that isn't too grindy.
Made the material seem interesting.
The part about dimension
I have always loved math and this course was fun to learn about, but I had to teach myself a lot outside of lecture.
It was very educational.
The course is straightforward and there are ample resources to use for practice.
It continuously challenged me.
The course made me excited about calculus and I could use previous knowledge of calculus in other applications that made sense to me. It was taught well and I really understood it and liked it even though I struggled with AP Calculus BC.
None
I liked that there was a quiz in each recitation so if i did bad on one it was okay because i would do well on the next.
Our prof graded the exams very fairly
The instructors were both great and the material was interesting in general.
teaching
Mariano.
The course was strongly related to physics and helped me to understand physics better
lectures
The teacher!
Difficult subject material was presented with many problems to facilitate learning
The professor was always excited to teach us new material and got the class interested in what we were learning
It's calculus. I need to know it, and I saw no major flaws in how it was taught.
The teachers
A lot of resources were posted on Canvas if I ever needed help.
Mariano is just an entertaining, fun, and approachable professor. Everyone, even those who got terrible grades on the second exam, love him because he really tries his best and truly cares about our success. It is not often you get a professor who truly is interested in his students succeeding.
The connections between what we learned in class and physics.
Grading was very fair and professors really helped students to succeed.

If you were teaching this course, what would you do differently?

These comments are intended for all instructors.

Comments
Add an exploration into Linear Algebra basics to deepen student understanding of certain Multivariable concepts.
I would have more practice problems uploaded.
The tests changed dramatically between the first and second midterm — was not prepared for that and it really affected my grade.
I will make it a little more stick with the textbook
I wouldn't prove as many of the things we proved during lecture to save time on learning the material and doing examples. The class became very confusing right after the first midterm.
Smaller class sizes.
N/A
I would thoroughly go through the reasoning behind the proofs and give better explanations on how to get to a certain answer on the notes.
Some integration techniques could be reviewed more from previous calculus courses but I guess the students should be expected to refresh that knowledge on their own. Overall, the lecture was taught well and the recitation could have more questions and answers and target the students' struggles more.
Nothing
I would make the two midterms of equal difficulty so students weren't surprised on the second one
Nothing.
nothing
More proofs.
I would be more organized in my teaching methods because in class the order in which the professor taught us was really confusing and I didn't understand what was going on a lot of the time unless i studied the material beforehand, but when that material got tough, I was completely lost
balance out difficulty between exam 1/2
More practice problems on the same level as the exam.
I feel as though the lectures on integration flew together with each having abstract concepts presented very quickly, perhaps a 'road map' of the concepts and how they would fit together first
It's calculus. I need to know it, and I saw no major flaws in how it was taught.
Get rid of MAPLE Labs
Make the Maple Labs less confusing
The computational labs are just unnecessary. This is a math course and not intro to computer engineering. Often times, students spent hours on the code and their errors were with the syntax/program and not with their conceptual understanding of the material. They also are not graded fairly as often times i would lose points for not having a comment in my code when in reality my code worked.
I would make sure that the homework was more closely linked with the lecture material (i.e due a few days after lecture) to reinforce the material.
Shorten the Maple assignments
Give grades back for the Maple Labs sooner.

In what ways, if any, has this course or the instructor Mariano Echeverria Echeverria encouraged your intellectual growth and progress?

These comments are unique to the instructor Mariano Echeverria Echeverria.

Comments
Explaining concepts from multiple perspectives, keeping lectures engaging, and always ready to answer questions from students.
Teaching stuff I didn't know, expanding my knowledge (Multivariable Calculus)
Really great teacher. Seems interested in the material and incredibly helpful, especially during office hours.
Yes, he is willing to buy some small demos to help illustrate concept.
Mariano wgreatly encouraged my intellectual growth. He was fun to watch teach and I enjoyed going to class.
Mariano was very enthusiastic and did his best to keep to class engaged.
He always connected topics we were learning in class with either a very interesting science phenomena, an in person demo, or a clear use in the real world. I would like to see where other interesting mathematical understandings can be used in real life.
He always came to class eager to teach multivariable calculus with both physical and digital prepared presentations and examples that helped visualize whatever we were learning.
He explained everything fully and went through examples and concepts step by step so everyone understood. He answered questions and was really passionate about the subject. He understands the students' needs and he's my favorite professor by far.
None
n/a
Cool guy! I barely ever attended lectures but from what I've seen all the students love him.
Professor Echeverria presented the information in a very interesting way, and always had a lot of energy and enthusiasm when teaching. This made it very enjoyable and quite easy to learn and be interested in the material.
It is very refreshing to learn from a professor with such a positive attitude and engaging personality. I really felt that this greatly enhanced my experience in the class.
Mariano's tangents on other topics like linear algebra and physics have gotten me very interested in these subjects. It is because of Mariano that I will be taking linear algebra next semester, and am perhaps even considering a math major.
By bringing interesting props to class and having us watch videos related to what we were learning helped me see the real life applications of the math I was learning
the colorful lectures helped
your class was great, and your lectures were very good.
Mariano's class spurred and further confirmed my passion for engineering and the and appreciation for the rigor of math.
Funny teacher, keep it up!
He was always so happy and made me happy
He was very passionate about calculus.
Prof. Echeverria constantly connects the calculus to everyday applications, making visualization and understanding of the topics straightforward. He also had multiple demonstrations that added a lot to the class
He focused first and foremost on the learning and success of the students, and was lenient in the workload for the class. This created an environment that I felt motivated to learn in.
He presents the ideas very clearly
Professor Echevarria was absolutely fantastic this semester. So far as I know, my peers and I all loved him and his class. His enthusiasm for mathematics brought out the best in us and kept lecture interesting. In all of my education so far, he is the best math teacher I have had.
An excellent instructor, very responsive, very clear and detailed, and a pleasure to learn from
Mariano has always challenged me to think harder, especially during lectures.
The class was challenging but fair. Mariano also knew us on a personal basis and would say hi to us if he saw us in public which was nice considering he taught massive lectures. Very nice professor but also a very nice person!
He gives many real life examples.

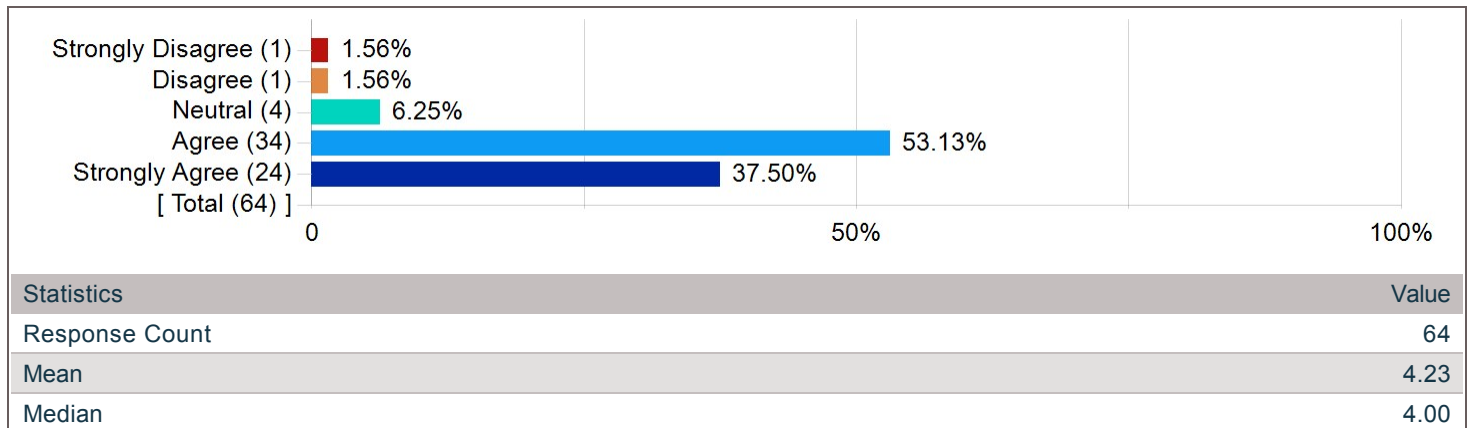
Other comments or suggestions:

These comments are intended for all instructors.

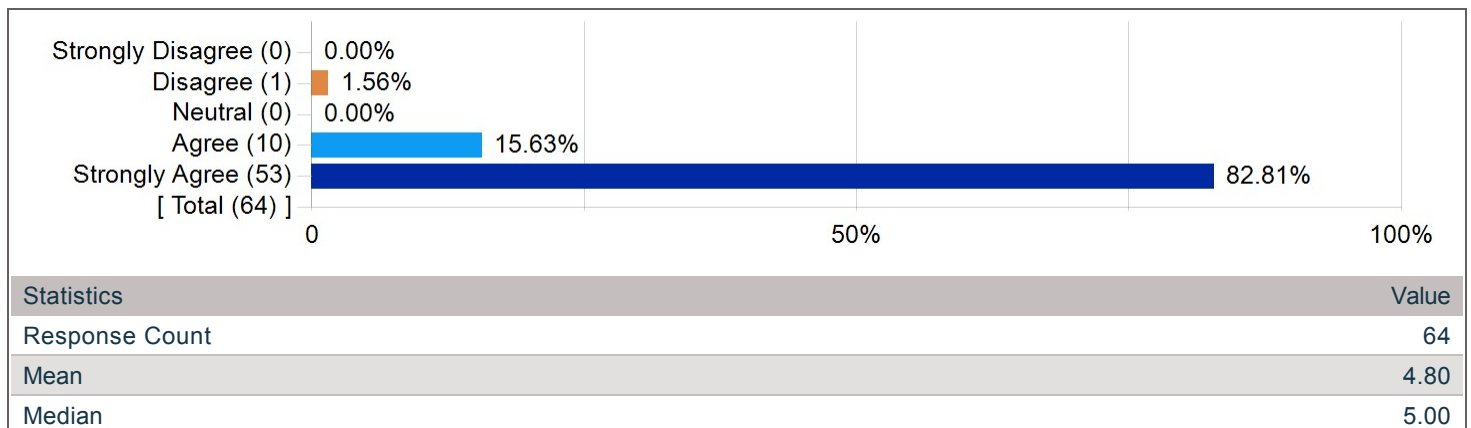
Comments
None.
Not really, other than that, pretty solid course
Explain topics slightly more clearly at the beginning, such as what it really means and potentially different perspectives to understanding where solutions come from.
This class was very difficult and I wish the instructors would give more explanations on how to come up with the correct answers.
I really enjoyed the course and found a love for math again despite struggling with AP Calculus BC before.
No comment
:)
Perhaps have powerpoint slides ready instead of doing random things on the board because a powerpoint is easier to follow
it was hard for me but i'm trying really hard
None
N/A
Reduce or delete Maple assignments as they are incredibly tedious and difficult for a small amount of points. Webassign is faster and is worth more points, so why would there be an assignment worth less and much more time consuming.

Questions Chosen by Instructor

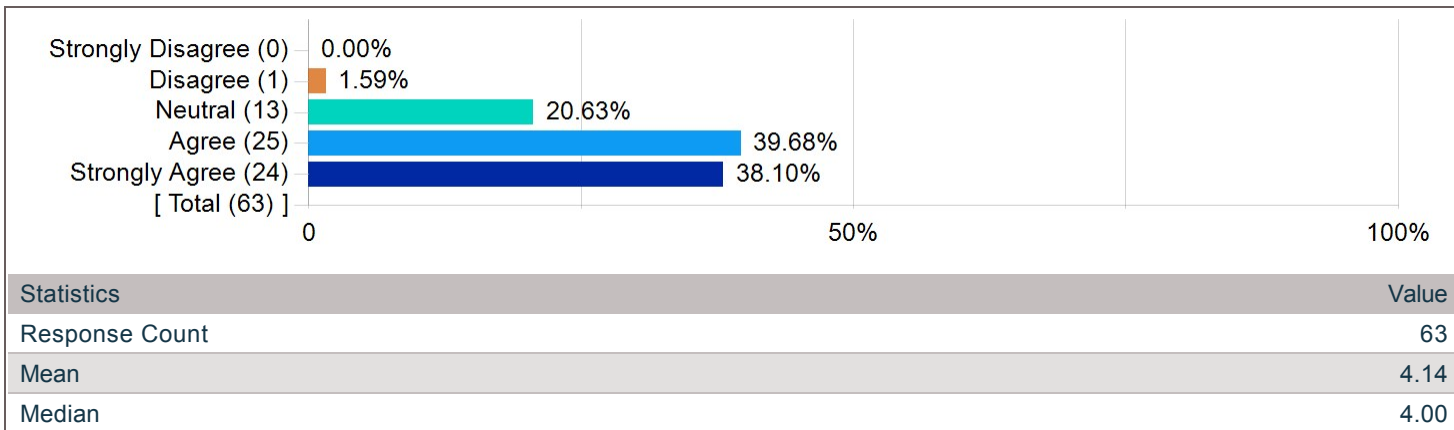
I would recommend this course to other students.



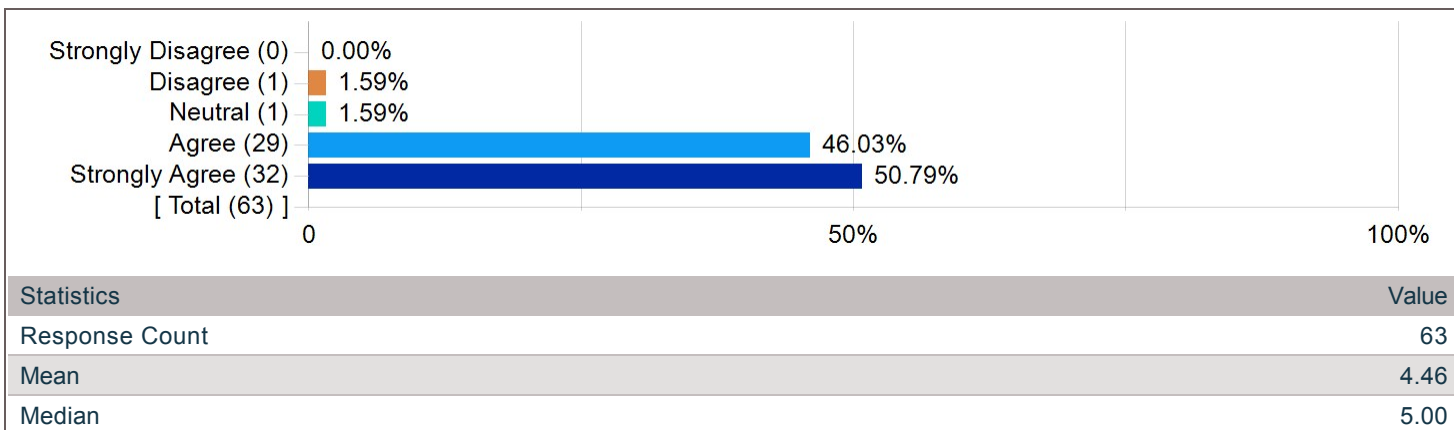
I would recommend this professor Mariano Echeverria Echeverria



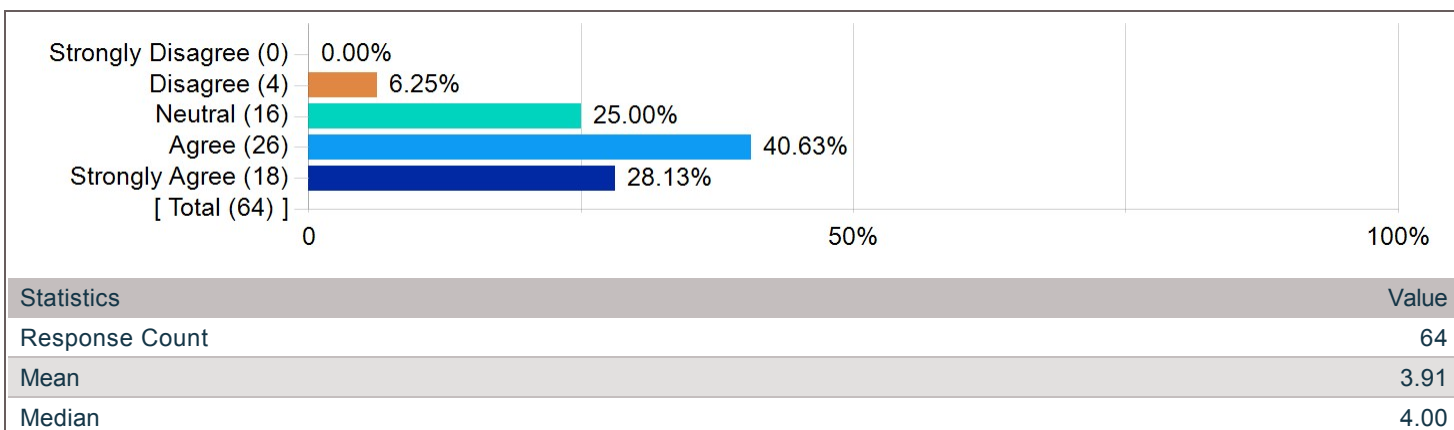
My experience in this course has encouraged me to continue taking courses in this subject.



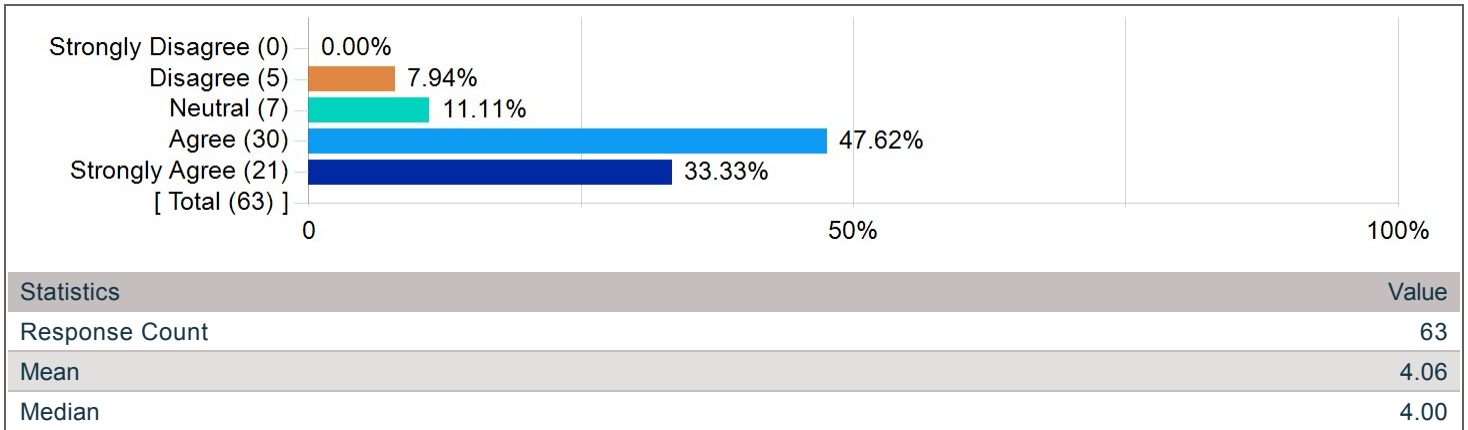
The course was intellectually stimulating.



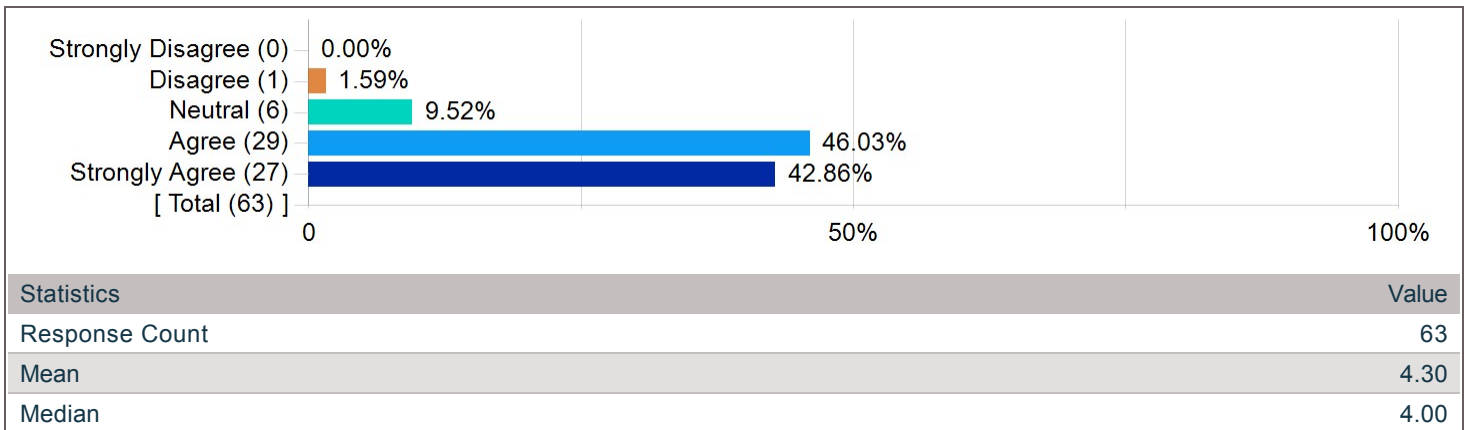
Assignments were interesting



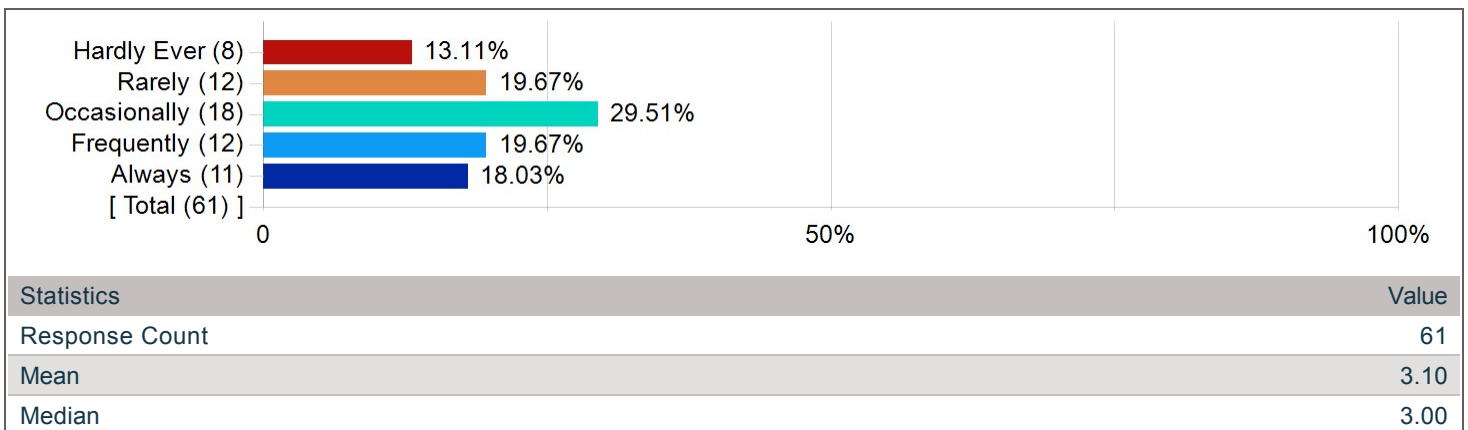
Assignments required a reasonable amount of time



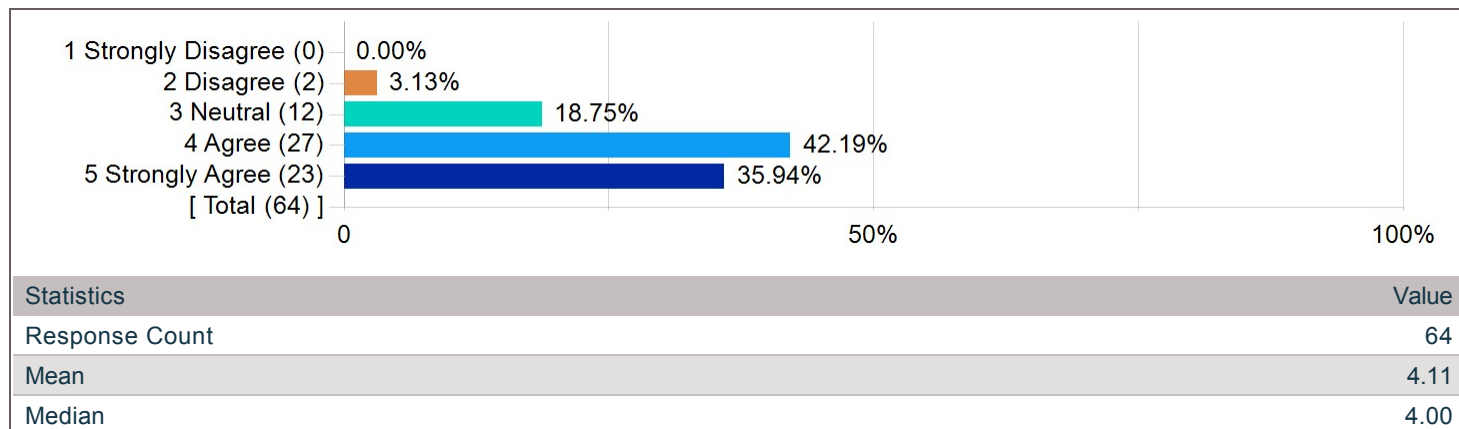
Assignments were relevant to what was presented



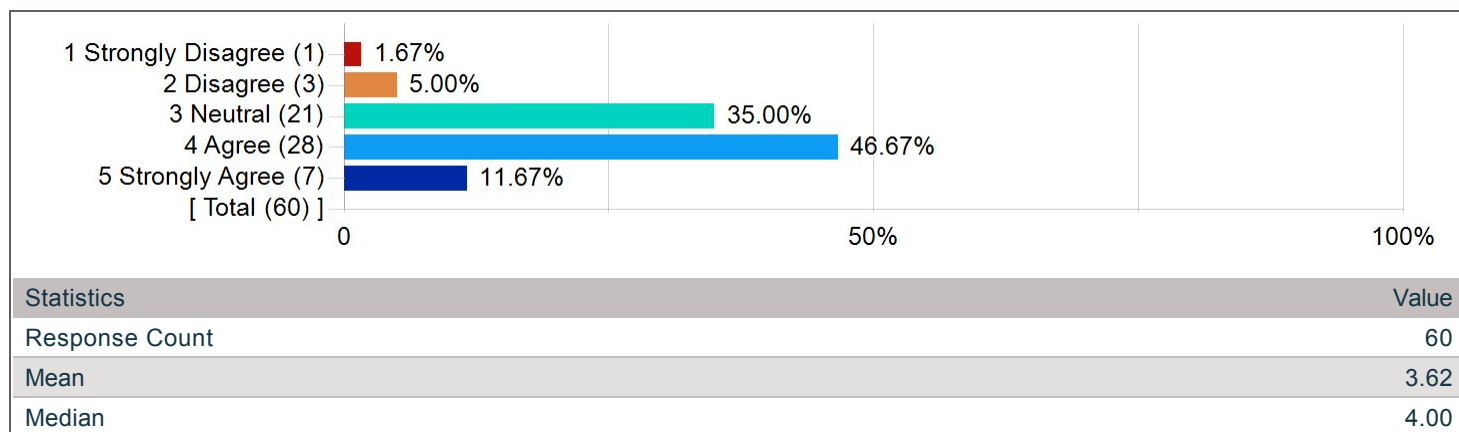
How often did you use the recommended texts?



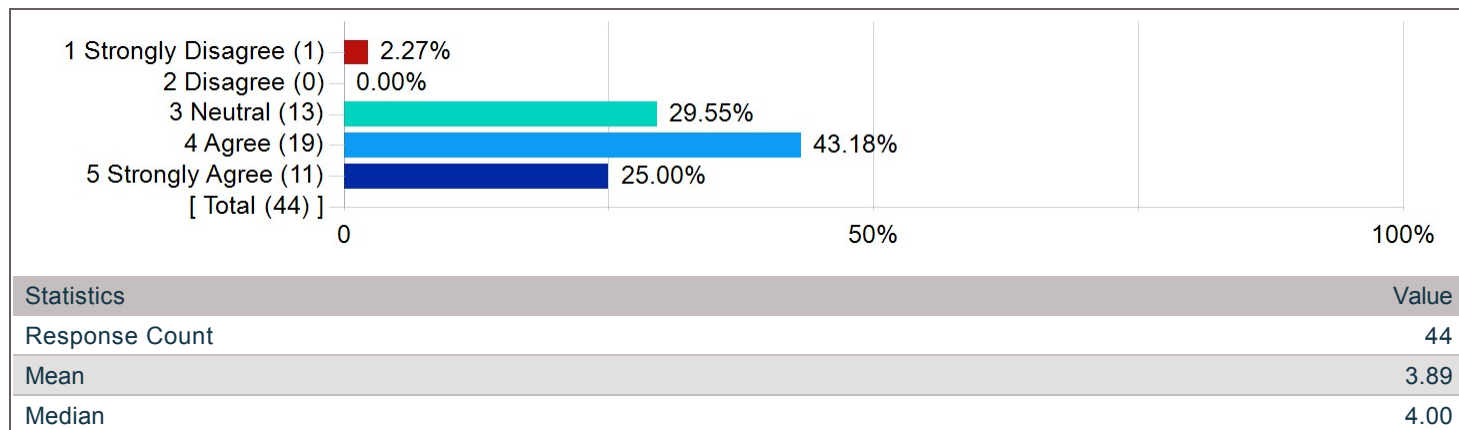
Course assignments (e.g. quizzes, tests, essay topics, or midterm exams) accurately reflected material taught.



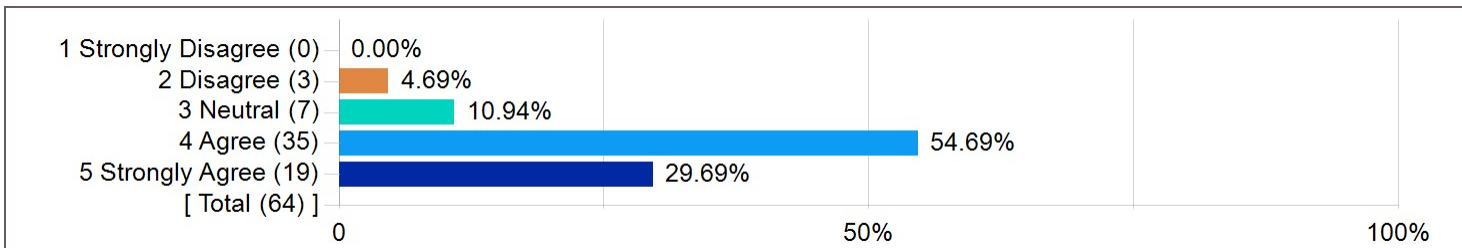
The textbook was easy to understand.



The assigned readings were easy to understand.



The workload for the course was appropriate.



Statistics	Value
Response Count	64
Mean	4.09
Median	4.00