

MATH 2310-101 Calculus III - Spring 2014

CGAS (11076)

INSTRUCTORS: Echeverria Echeverria, Mariano (me3qr)

Respondents: 18 / Enrollment: 23

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

1. (Regarding your discussion section) I learned a lot in this discussion section.

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
18	3.67	1.08	0 (0.00%)	4 (22.22%)	2 (11.11%)	8 (44.44%)	4 (22.22%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
251	3.64	1.24	21 (8.37%)	31 (12.35%)	33 (13.15%)	98 (39.04%)	68 (27.09%)

2. (Regarding your discussion section) This discussion section helped me learn the course materials.

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
18	3.83	1.04	0 (0.00%)	3 (16.67%)	2 (11.11%)	8 (44.44%)	5 (27.78%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
250	3.80	1.18	19 (7.60%)	22 (8.80%)	24 (9.60%)	111 (44.40%)	74 (29.60%)

3. (Regarding your discussion section) My background prepared me to take this course.

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
18	4.06	0.64	0 (0.00%)	0 (0.00%)	3 (16.67%)	11 (61.11%)	4 (22.22%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
252	3.88	0.98	9 (3.57%)	19 (7.54%)	26 (10.32%)	136 (53.97%)	62 (24.60%)

4. (Regarding your discussion section) I enjoyed the discussion section.

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
18	3.72	0.96	0 (0.00%)	2 (11.11%)	5 (27.78%)	7 (38.89%)	4 (22.22%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
250	3.40	1.18	21 (8.40%)	37 (14.80%)	56 (22.40%)	92 (36.80%)	44 (17.60%)

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

**5. (Regarding your discussion section)
Rate the discussion section (A = Excellent to E = Very Poor).**

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	A (5)	B (4)	C (3)	D (2)	F (1)
17	3.94	0.97	5 (29.41%)	8 (47.06%)	2 (11.76%)	2 (11.76%)	0 (0.00%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	A (5)	B (4)	C (3)	D (2)	F (1)
251	4.00	1.02	95 (37.85%)	92 (36.65%)	39 (15.54%)	20 (7.97%)	5 (1.99%)

**6. (Regarding your teaching assistant)
The teaching assistant showed a scholarly grasp of the course material.**

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
18	4.50	0.51	0 (0.00%)	0 (0.00%)	0 (0.00%)	9 (50.00%)	9 (50.00%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
251	4.26	0.85	3 (1.20%)	9 (3.59%)	20 (7.97%)	106 (42.23%)	113 (45.02%)

**7. (Regarding your teaching assistant)
The teaching assistant was well prepared for class.**

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
18	4.39	0.61	0 (0.00%)	0 (0.00%)	1 (5.56%)	9 (50.00%)	8 (44.44%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
251	4.03	1.09	11 (4.38%)	16 (6.37%)	32 (12.75%)	87 (34.66%)	105 (41.83%)

**8. (Regarding your teaching assistant)
The teaching assistant was confident in front of the class.**

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
18	4.17	0.62	0 (0.00%)	0 (0.00%)	2 (11.11%)	11 (61.11%)	5 (27.78%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
252	3.98	0.97	8 (3.17%)	10 (3.97%)	44 (17.46%)	108 (42.86%)	82 (32.54%)

**9. (Regarding your teaching assistant)
The teaching assistant made good use of examples and illustrations.**

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
18	4.28	0.75	0 (0.00%)	0 (0.00%)	3 (16.67%)	7 (38.89%)	8 (44.44%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
251	4.03	1.02	8 (3.19%)	13 (5.18%)	39 (15.54%)	94 (37.45%)	97 (38.65%)

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

**10. (Regarding your teaching assistant)
The teaching assistant showed a genuine
interest in teaching the course.**

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
18	4.67	0.49	0 (0.00%)	0 (0.00%)	0 (0.00%)	6 (33.33%)	12 (66.67%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
250	3.96	1.01	9 (3.60%)	13 (5.20%)	40 (16.00%)	105 (42.00%)	83 (33.20%)

**11. (Regarding your teaching assistant)
The teaching assistant handled
questions well.**

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
18	4.39	0.61	0 (0.00%)	0 (0.00%)	1 (5.56%)	9 (50.00%)	8 (44.44%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
250	4.00	1.03	7 (2.80%)	21 (8.40%)	26 (10.40%)	106 (42.40%)	90 (36.00%)

**12. (Regarding your teaching assistant)
A positive environment was provided
for students' questions.**

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
18	4.33	0.59	0 (0.00%)	0 (0.00%)	1 (5.56%)	10 (55.56%)	7 (38.89%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
251	4.24	0.82	4 (1.59%)	5 (1.99%)	22 (8.76%)	116 (46.22%)	104 (41.43%)

**13. (Regarding your teaching assistant)
Presentations were clear and well
organized.**

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
18	4.06	1.00	0 (0.00%)	2 (11.11%)	2 (11.11%)	7 (38.89%)	7 (38.89%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
251	3.84	1.11	12 (4.78%)	20 (7.97%)	46 (18.33%)	92 (36.65%)	81 (32.27%)

**14. (Regarding your teaching assistant)
I could usually understand the teaching
assistant's explanations.**

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
18	3.89	1.08	0 (0.00%)	3 (16.67%)	2 (11.11%)	7 (38.89%)	6 (33.33%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
251	4.05	1.08	10 (3.98%)	19 (7.57%)	23 (9.16%)	96 (38.25%)	103 (41.04%)

~ QUESTIONS AND DETAILS ~

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**15. (Regarding your teaching assistant)
The teaching assistant seemed to be aware of whether the class was following the presentation.**

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
18	3.50	1.47	3 (16.67%)	2 (11.11%)	1 (5.56%)	7 (38.89%)	5 (27.78%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
250	3.87	1.08	9 (3.60%)	22 (8.80%)	42 (16.80%)	96 (38.40%)	81 (32.40%)

**16. (Regarding your teaching assistant)
The teaching assistant was available outside of class for questions.**

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
17	4.35	0.79	0 (0.00%)	1 (5.88%)	0 (0.00%)	8 (47.06%)	8 (47.06%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
246	4.11	0.83	3 (1.22%)	5 (2.03%)	40 (16.26%)	111 (45.12%)	87 (35.37%)

**17. (Regarding your teaching assistant)
Rate the teaching assistant (A = Excellent to E = Very Poor).**

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	A (5)	B (4)	C (3)	D (2)	F (1)
18	4.44	0.62	9 (50.00%)	8 (44.44%)	1 (5.56%)	0 (0.00%)	0 (0.00%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	A (5)	B (4)	C (3)	D (2)	F (1)
251	4.20	0.94	118 (47.01%)	83 (33.07%)	37 (14.74%)	8 (3.19%)	5 (1.99%)

18. (Regarding the homework and/or quizzes) The homework was a fair measure of the course material.

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
18	3.94	0.87	0 (0.00%)	2 (11.11%)	1 (5.56%)	11 (61.11%)	4 (22.22%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
249	3.96	0.87	1 (0.40%)	22 (8.84%)	28 (11.24%)	133 (53.41%)	65 (26.10%)

19. (Regarding the homework and/or quizzes) The quizzes were a fair measure of the course material.

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
18	3.83	0.99	1 (5.56%)	1 (5.56%)	1 (5.56%)	12 (66.67%)	3 (16.67%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
252	4.00	0.94	6 (2.38%)	15 (5.95%)	30 (11.90%)	123 (48.81%)	78 (30.95%)

~ QUESTIONS AND DETAILS ~

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20. (Regarding the homework and/or quizzes) Graded work was scored and returned promptly:

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
18	4.28	0.75	0 (0.00%)	1 (5.56%)	0 (0.00%)	10 (55.56%)	7 (38.89%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
251	3.95	1.20	20 (7.97%)	18 (7.17%)	13 (5.18%)	103 (41.04%)	97 (38.65%)

21. (Regarding the homework and/or quizzes) The grading was consistent and fair.

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
18	4.06	1.11	1 (5.56%)	1 (5.56%)	1 (5.56%)	8 (44.44%)	7 (38.89%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
252	4.17	0.90	6 (2.38%)	10 (3.97%)	18 (7.14%)	118 (46.83%)	100 (39.68%)

22. (Regarding your effort) On average, I spend approximately the following number of hours (outside of class meetings) per week working on this course:

Question Type: Multiple Choice

contributed by Department of Mathematics

Results for MATH-2310-101					
Total	0-2 hours (NA)	3-4 hours (NA)	5-6 hours (NA)	7-8 hours (NA)	9 or more hours (NA)
18	5 (27.78%)	4 (22.22%)	4 (22.22%)	4 (22.22%)	1 (5.56%)

Results for Mathematics Discussion Sections - Spring, 2014					
Total	0-2 hours (NA)	3-4 hours (NA)	5-6 hours (NA)	7-8 hours (NA)	9 or more hours (NA)
250	110 (44.00%)	71 (28.40%)	37 (14.80%)	22 (8.80%)	10 (4.00%)

23. (Regarding your discussion section) Your comments on the discussion section:

Question Type: Short Answer

contributed by Department of Mathematics

Results for MATH-2310-101	
Total	Individual Answers
10	See below for Individual Results

The discussion section was where I really learned the material.

better show more examples

nice overall, but diving up the class into two discussion session is a very good idea. Especially, when you have a discussion class on Monday and lecture on Tue.

Good discussion.

It was boring and rather useless.

Having the discussion to go over homework problems was very helpful as the homework was often very challenging.

Wasn't really necessary aside from the quizzes unless you needed extra homework help.

There should be more quiz, at least every week

Not as useful as it could be, many people did not attend if a quiz was not being given

The majority of the class would only go if there was a pre-announced quiz

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

**24. (Regarding your teaching assistant)
Your comments on the teaching assistant:**

Question Type: Short Answer

contributed by Department of Mathematics

Results for MATH-2310-101	
Total	Individual Answers
11	See below for Individual Results

Mariano was awesome--always enthusiastic and ready to help. He was great with responding to emails and always made himself available before midterms.

Good

Had trouble with understanding him sometimes with his accent, but it would work out in the math. He seemed to just go over problems methodically sometimes, not noticing that the class was barely paying attention

ok

Helped explain the material in different and sometimes easier ways than the professor. Also, thanks for the huge time commitment you put in for questions before tests.

good

He grades inconsistently, a little too strict on the quizzes and good problems.

Good teaching assistant.

Sometimes had difficulty understanding questions and would therefore not answer the question that was asked

I greatly enjoyed learning from Mr. Echivera.

Very nice and open to questions. Good at explaining things

25. The average number of hours per week I spent outside of class preparing for this course was:

Question Type: Multiple Choice

contributed by Office of the Provost

Results for MATH-2310-101					
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
18	1 (5.56%)	6 (33.33%)	7 (38.89%)	3 (16.67%)	1 (5.56%)

Results for Mathematics Discussion Sections - Spring, 2014					
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
249	41 (16.47%)	115 (46.18%)	61 (24.50%)	25 (10.04%)	7 (2.81%)

26. I learned a great deal in this course.

Question Type: Likert

contributed by Office of the Provost

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
17	4.12	0.60	4 (23.53%)	11 (64.71%)	2 (11.76%)	0 (0.00%)	0 (0.00%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
247	3.81	1.00	57 (23.08%)	123 (49.80%)	40 (16.19%)	17 (6.88%)	10 (4.05%)

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27. Overall, this was a worthwhile course.

Question Type: Likert

contributed by Office of the Provost

Results for MATH-2310-101							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
18	3.89	0.96	4 (22.22%)	10 (55.56%)	3 (16.67%)	0 (0.00%)	1 (5.56%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
247	3.75	1.07	61 (24.70%)	110 (44.53%)	42 (17.00%)	22 (8.91%)	12 (4.86%)

28. The course's goals and requirements were defined and adhered to by the instructor.

Question Type: Likert

contributed by Office of the Provost

Results for MATH-2310-101, Echeverria Echeverria, Mariano							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
18	4.33	0.77	8 (44.44%)	9 (50.00%)	0 (0.00%)	1 (5.56%)	0 (0.00%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
250	4.09	0.93	93 (37.20%)	108 (43.20%)	34 (13.60%)	9 (3.60%)	6 (2.40%)

29. The instructor was approachable and made himself/herself available to students outside the classroom.

Question Type: Likert

contributed by Office of the Provost

Results for MATH-2310-101, Echeverria Echeverria, Mariano							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
18	4.44	0.62	9 (50.00%)	8 (44.44%)	1 (5.56%)	0 (0.00%)	0 (0.00%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
249	4.18	0.77	94 (37.75%)	111 (44.58%)	38 (15.26%)	6 (2.41%)	0 (0.00%)

30. Overall, the instructor was an effective teacher.

Question Type: Likert

contributed by Office of the Provost

Results for MATH-2310-101, Echeverria Echeverria, Mariano							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
17	4.18	1.01	8 (47.06%)	6 (35.29%)	1 (5.88%)	2 (11.76%)	0 (0.00%)

Results for Mathematics Discussion Sections - Spring, 2014							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
249	3.93	1.05	85 (34.14%)	99 (39.76%)	35 (14.06%)	23 (9.24%)	7 (2.81%)

31. Please make any overall comments or observations about this course:

Question Type: Short Answer

contributed by Office of the Provost

Results for MATH-2310-101	
Total	Individual Answers
5	See below for Individual Results

Good

The homework was very challenging. I think WebWork was not the best choice for a class this difficult. The problems are often very long and I often got stuck on one problem for hours because of one tiny computation error or because I entered into the computer wrong. I think written bookwork would be much more valuable and a more practical choice for this class.

ok

~ QUESTIONS AND DETAILS ~

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Good teaching assistant.

I enjoyed this discussion.