

MATH 2310-401 Calculus III - Fall 2013

CGAS (11039)

INSTRUCTORS: Echeverria Echeverria, Mariano (me3qr)

Respondents: 21 / Enrollment: 44

~ 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-2310-401							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
21	4.05	0.59	0 (0.00%)	0 (0.00%)	3 (14.29%)	14 (66.67%)	4 (19.05%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
425	3.38	1.19	36 (8.47%)	74 (17.41%)	77 (18.12%)	170 (40.00%)	68 (16.00%)

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-2310-401							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
21	4.10	0.70	0 (0.00%)	1 (4.76%)	1 (4.76%)	14 (66.67%)	5 (23.81%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
425	3.58	1.17	33 (7.76%)	50 (11.76%)	66 (15.53%)	188 (44.24%)	88 (20.71%)

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

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-401							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
21	4.38	0.74	0 (0.00%)	0 (0.00%)	3 (14.29%)	7 (33.33%)	11 (52.38%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
422	3.86	0.99	17 (4.03%)	26 (6.16%)	62 (14.69%)	212 (50.24%)	105 (24.88%)

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

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-401							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
21	3.62	1.07	0 (0.00%)	3 (14.29%)	8 (38.10%)	4 (19.05%)	6 (28.57%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
424	3.15	1.18	50 (11.79%)	68 (16.04%)	126 (29.72%)	129 (30.42%)	51 (12.03%)

~ 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-2310-401							
Total	Mean	Std Dev	A (5)	B (4)	C (3)	D (2)	F (1)
20	4.20	0.52	5 (25.00%)	14 (70.00%)	1 (5.00%)	0 (0.00%)	0 (0.00%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	A (5)	B (4)	C (3)	D (2)	F (1)
424	3.66	1.10	102 (24.06%)	160 (37.74%)	96 (22.64%)	47 (11.08%)	19 (4.48%)

**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-2310-401							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
21	4.76	0.44	0 (0.00%)	0 (0.00%)	0 (0.00%)	5 (23.81%)	16 (76.19%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
424	4.04	0.93	5 (1.18%)	30 (7.08%)	54 (12.74%)	191 (45.05%)	144 (33.96%)

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

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-401							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
20	4.75	0.44	0 (0.00%)	0 (0.00%)	0 (0.00%)	5 (25.00%)	15 (75.00%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
422	3.94	1.00	7 (1.66%)	37 (8.77%)	71 (16.82%)	167 (39.57%)	140 (33.18%)

**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-2310-401							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
21	4.14	0.85	0 (0.00%)	1 (4.76%)	3 (14.29%)	9 (42.86%)	8 (38.10%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
424	3.59	1.11	16 (3.77%)	68 (16.04%)	80 (18.87%)	168 (39.62%)	92 (21.70%)

**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-2310-401							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
21	4.48	0.68	0 (0.00%)	0 (0.00%)	2 (9.52%)	7 (33.33%)	12 (57.14%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
423	3.84	1.03	12 (2.84%)	44 (10.40%)	59 (13.95%)	194 (45.86%)	114 (26.95%)

~ 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-2310-401							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
21	4.67	0.66	0 (0.00%)	0 (0.00%)	2 (9.52%)	3 (14.29%)	16 (76.19%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
423	4.02	0.92	6 (1.42%)	21 (4.96%)	76 (17.97%)	174 (41.13%)	146 (34.52%)

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

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-401							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
21	4.43	0.60	0 (0.00%)	0 (0.00%)	1 (4.76%)	10 (47.62%)	10 (47.62%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
425	3.70	1.10	18 (4.24%)	51 (12.00%)	75 (17.65%)	176 (41.41%)	105 (24.71%)

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

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-401							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
21	4.76	0.44	0 (0.00%)	0 (0.00%)	0 (0.00%)	5 (23.81%)	16 (76.19%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
424	4.22	0.83	4 (0.94%)	11 (2.59%)	53 (12.50%)	175 (41.27%)	181 (42.69%)

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

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-401							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
21	4.43	0.60	0 (0.00%)	0 (0.00%)	1 (4.76%)	10 (47.62%)	10 (47.62%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
426	3.63	1.11	19 (4.46%)	61 (14.32%)	71 (16.67%)	182 (42.72%)	93 (21.83%)

**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-2310-401							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
21	4.48	0.60	0 (0.00%)	0 (0.00%)	1 (4.76%)	9 (42.86%)	11 (52.38%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
423	3.75	1.13	24 (5.67%)	47 (11.11%)	49 (11.58%)	193 (45.63%)	110 (26.00%)

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

**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-2310-401							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
21	4.19	0.75	0 (0.00%)	0 (0.00%)	4 (19.05%)	9 (42.86%)	8 (38.10%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
425	3.70	1.07	19 (4.47%)	46 (10.82%)	74 (17.41%)	192 (45.18%)	94 (22.12%)

**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-2310-401							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
21	4.81	0.40	0 (0.00%)	0 (0.00%)	0 (0.00%)	4 (19.05%)	17 (80.95%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
420	4.06	0.81	2 (0.48%)	7 (1.67%)	92 (21.90%)	181 (43.10%)	138 (32.86%)

**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-2310-401							
Total	Mean	Std Dev	A (5)	B (4)	C (3)	D (2)	F (1)
21	4.67	0.48	14 (66.67%)	7 (33.33%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	A (5)	B (4)	C (3)	D (2)	F (1)
422	3.86	1.06	134 (31.75%)	155 (36.73%)	87 (20.62%)	30 (7.11%)	16 (3.79%)

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-2310-401							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
21	4.19	0.87	0 (0.00%)	1 (4.76%)	3 (14.29%)	8 (38.10%)	9 (42.86%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
423	3.91	0.94	5 (1.18%)	43 (10.17%)	48 (11.35%)	218 (51.54%)	109 (25.77%)

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-2310-401							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
21	4.57	0.60	0 (0.00%)	0 (0.00%)	1 (4.76%)	7 (33.33%)	13 (61.90%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
422	3.95	0.93	8 (1.90%)	26 (6.16%)	68 (16.11%)	198 (46.92%)	122 (28.91%)

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

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-2310-401							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
21	4.71	0.56	0 (0.00%)	0 (0.00%)	1 (4.76%)	4 (19.05%)	16 (76.19%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
424	4.21	0.88	6 (1.42%)	22 (5.19%)	27 (6.37%)	190 (44.81%)	179 (42.22%)

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

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-2310-401							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
21	4.81	0.40	0 (0.00%)	0 (0.00%)	0 (0.00%)	4 (19.05%)	17 (80.95%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Disagree (1)	Disagree (2)	No Opinion (3)	Agree (4)	Strongly Agree (5)
423	4.18	0.82	4 (0.95%)	18 (4.26%)	31 (7.33%)	215 (50.83%)	155 (36.64%)

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-2310-401					
Total	0-2 hours (NA)	3-4 hours (NA)	5-6 hours (NA)	7-8 hours (NA)	9 or more hours (NA)
21	8 (38.10%)	7 (33.33%)	5 (23.81%)	1 (4.76%)	0 (0.00%)

Results for Mathematics Discussion Sections - Fall, 2013					
Total	0-2 hours (NA)	3-4 hours (NA)	5-6 hours (NA)	7-8 hours (NA)	9 or more hours (NA)
426	127 (29.81%)	152 (35.68%)	96 (22.54%)	36 (8.45%)	15 (3.52%)

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

Question Type: Short Answer

contributed by Department of Mathematics

Results for MATH-2310-401	
Total	Individual Answers
8	See below for Individual Results

The discussion session focused too much on answering questions about the homework and is not very time efficient for those who finished it ahead of time.

Discussion session was helpful to review the material and I felt like it helped address confusing concepts that we didn't have time to discuss in lecture

Loved the incorporation of physics into your examples. It made the math topic interesting

Too much time spent going over Webwork questions in class that weren't necessarily the difficult ones. Left minimal time for quizzes.

Found it helpful when I misunderstood something or needed clarification, which is exactly what I wanted.

Discussion was extremely helpful for answering questions and reviewing concepts that were not very clear

Seemed redundant at times.

Discussion was somewhat helpful for getting help on the homework but if nobody had questions there wasn't really anything to do besides go over problems and then take a quiz on what had been learned the previous week.

~ 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-2310-401	
Total	Individual Answers
10	See below for Individual Results

Wonderful assistant! Very very helpful and open to meet or email you if you had any questions or needed help. Explained things very clearly and was an excellent teacher

Very enthusiastic and likable, very good grasp of material, very fair grader.

Mr. Echeverria was a great TA, he always made an effort to answer all questions and I liked his analogies, they helped me understand applications of Calculus and the broader implications of what we were learning.

The teaching assistant is rather responsible and willing to help.

Confident with his material.

Very nice and good at answering questions. A little difficult to understand when not answering a direct problem.

Very helpful in and out of discussion times, went to his office hours for help on the homework often because Mariano (TA) was able to make up for the lacking lectures.

He was great! Very helpful and nice. The best math TA I've ever had!

Good job. I'd recommend you to anyone

He genuinely tried hard to help the students understand as much material as he could cover in the discussion

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-2310-401					
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
21	2 (9.52%)	11 (52.38%)	6 (28.57%)	2 (9.52%)	0 (0.00%)

Results for Mathematics Discussion Sections - Fall, 2013					
Total	Less than 1 (NA)	1 - 3 (NA)	4 - 6 (NA)	7 - 9 (NA)	10 or more (NA)
418	51 (12.20%)	170 (40.67%)	143 (34.21%)	44 (10.53%)	10 (2.39%)

26. I learned a great deal in this course.

Question Type: Likert

contributed by Office of the Provost

Results for MATH-2310-401							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
21	4.00	0.95	6 (28.57%)	11 (52.38%)	3 (14.29%)	0 (0.00%)	1 (4.76%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
421	3.70	1.03	88 (20.90%)	192 (45.61%)	88 (20.90%)	34 (8.08%)	19 (4.51%)

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

27. Overall, this was a worthwhile course.

Question Type: Likert

contributed by Office of the Provost

Results for MATH-2310-401							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
21	4.14	0.65	6 (28.57%)	12 (57.14%)	3 (14.29%)	0 (0.00%)	0 (0.00%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
424	3.67	1.10	97 (22.88%)	179 (42.22%)	82 (19.34%)	42 (9.91%)	24 (5.66%)

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-2310-401, Echeverria Echeverria, Mariano							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
21	4.29	0.78	10 (47.62%)	7 (33.33%)	4 (19.05%)	0 (0.00%)	0 (0.00%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
423	4.02	0.85	127 (30.02%)	201 (47.52%)	76 (17.97%)	14 (3.31%)	5 (1.18%)

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-2310-401, Echeverria Echeverria, Mariano							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
21	4.81	0.40	17 (80.95%)	4 (19.05%)	0 (0.00%)	0 (0.00%)	0 (0.00%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
423	4.16	0.84	163 (38.53%)	185 (43.74%)	59 (13.95%)	11 (2.60%)	5 (1.18%)

30. Overall, the instructor was an effective teacher.

Question Type: Likert

contributed by Office of the Provost

Results for MATH-2310-401, Echeverria Echeverria, Mariano							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
21	4.52	0.60	12 (57.14%)	8 (38.10%)	1 (4.76%)	0 (0.00%)	0 (0.00%)

Results for Mathematics Discussion Sections - Fall, 2013							
Total	Mean	Std Dev	Strongly Agree (5)	Agree (4)	Neutral (3)	Disagree (2)	Strongly Disagree (1)
422	3.67	1.15	109 (25.83%)	165 (39.10%)	69 (16.35%)	58 (13.74%)	21 (4.98%)

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

Question Type: Short Answer

contributed by Office of the Provost

Results for MATH-2310-401	
Total	Individual Answers
4	See below for Individual Results

Worthwhile course. Discussion section increased my understanding of the material.
 The discussion sessions were well organized and well prepared.
 Mariano was responsible for anything I learned over the course besides what I taught myself.
 If you must take calc III, Mariano is a wonderful TA