

MATH 2310-301 Calculus III - Fall 2013

CGAS (11038)

INSTRUCTORS: Echeverria Echeverria, Mariano (me3qr)

Respondents: 25 / Enrollment: 43

~ 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 25 | 3.52 | 0.96 | 1 (4.00%) | 3 (12.00%) | 5 (20.00%) | 14 (56.00%) | 2 (8.00%) |

| Results for Mathematics Discussion Sections - Fall, 2013 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|--------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 25 | 3.84 | 0.90 | 1 (4.00%) | 0 (0.00%) | 6 (24.00%) | 13 (52.00%) | 5 (20.00%) |

| Results for Mathematics Discussion Sections - Fall, 2013 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|--------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 25 | 4.12 | 0.60 | 0 (0.00%) | 0 (0.00%) | 3 (12.00%) | 16 (64.00%) | 6 (24.00%) |

| 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 | 3.86 | 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 25 | 3.36 | 0.95 | 1 (4.00%) | 2 (8.00%) | 12 (48.00%) | 7 (28.00%) | 3 (12.00%) |

| Results for Mathematics Discussion Sections - Fall, 2013 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|--------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-------------|------------|------------|-----------|-----------|
| Total | Mean | Std Dev | A (5) | B (4) | C (3) | D (2) | F (1) |
| 25 | 4.12 | 1.01 | 11 (44.00%) | 8 (32.00%) | 5 (20.00%) | 0 (0.00%) | 1 (4.00%) |

| 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 24 | 4.71 | 0.55 | 0 (0.00%) | 0 (0.00%) | 1 (4.17%) | 5 (20.83%) | 18 (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) |
| 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 25 | 4.44 | 0.82 | 0 (0.00%) | 1 (4.00%) | 2 (8.00%) | 7 (28.00%) | 15 (60.00%) |

| 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 25 | 4.04 | 0.84 | 0 (0.00%) | 1 (4.00%) | 5 (20.00%) | 11 (44.00%) | 8 (32.00%) |

| Results for Mathematics Discussion Sections - Fall, 2013 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|--------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 25 | 4.20 | 0.87 | 0 (0.00%) | 2 (8.00%) | 1 (4.00%) | 12 (48.00%) | 10 (40.00%) |

| Results for Mathematics Discussion Sections - Fall, 2013 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|--------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 25 | 4.72 | 0.54 | 0 (0.00%) | 0 (0.00%) | 1 (4.00%) | 5 (20.00%) | 19 (76.00%) |

| Results for Mathematics Discussion Sections - Fall, 2013 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|--------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 25 | 4.08 | 1.00 | 0 (0.00%) | 3 (12.00%) | 2 (8.00%) | 10 (40.00%) | 10 (40.00%) |

| Results for Mathematics Discussion Sections - Fall, 2013 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|--------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 25 | 4.60 | 0.58 | 0 (0.00%) | 0 (0.00%) | 1 (4.00%) | 8 (32.00%) | 16 (64.00%) |

| Results for Mathematics Discussion Sections - Fall, 2013 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|--------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 25 | 4.24 | 0.83 | 0 (0.00%) | 1 (4.00%) | 3 (12.00%) | 10 (40.00%) | 11 (44.00%) |

| Results for Mathematics Discussion Sections - Fall, 2013 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|--------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 25 | 4.40 | 0.71 | 0 (0.00%) | 1 (4.00%) | 0 (0.00%) | 12 (48.00%) | 12 (48.00%) |

| Results for Mathematics Discussion Sections - Fall, 2013 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|--------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 25 | 4.08 | 0.91 | 0 (0.00%) | 2 (8.00%) | 3 (12.00%) | 11 (44.00%) | 9 (36.00%) |

| Results for Mathematics Discussion Sections - Fall, 2013 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|--------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 24 | 4.46 | 0.59 | 0 (0.00%) | 0 (0.00%) | 1 (4.17%) | 11 (45.83%) | 12 (50.00%) |

| Results for Mathematics Discussion Sections - Fall, 2013 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|--------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-------------|------------|-----------|-----------|-----------|
| Total | Mean | Std Dev | A (5) | B (4) | C (3) | D (2) | F (1) |
| 25 | 4.32 | 0.95 | 13 (52.00%) | 9 (36.00%) | 2 (8.00%) | 0 (0.00%) | 1 (4.00%) |

| 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 25 | 4.36 | 0.57 | 0 (0.00%) | 0 (0.00%) | 1 (4.00%) | 14 (56.00%) | 10 (40.00%) |

| Results for Mathematics Discussion Sections - Fall, 2013 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|--------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 24 | 4.46 | 0.72 | 0 (0.00%) | 1 (4.17%) | 0 (0.00%) | 10 (41.67%) | 13 (54.17%) |

| 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 25 | 4.84 | 0.37 | 0 (0.00%) | 0 (0.00%) | 0 (0.00%) | 4 (16.00%) | 21 (84.00%) |

| Results for Mathematics Discussion Sections - Fall, 2013 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|--------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 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-2310-301 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 24 | 4.62 | 0.49 | 0 (0.00%) | 0 (0.00%) | 0 (0.00%) | 9 (37.50%) | 15 (62.50%) |

| 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-2310-301 | | | | | |
|---------------------------|----------------|----------------|----------------|----------------|----------------------|
| Total | 0-2 hours (NA) | 3-4 hours (NA) | 5-6 hours (NA) | 7-8 hours (NA) | 9 or more hours (NA) |
| 25 | 8 (32.00%) | 11 (44.00%) | 5 (20.00%) | 1 (4.00%) | 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-2310-301 | |
|---------------------------|----------------------------------|
| Total | Individual Answers |
| 12 | See below for Individual Results |

Our discussion section was very effective when going over homework problems and learning the material.

It was very useful for explanations of some of the more difficult homework problems and extension/application materials based on some of the more abstract ideas.

The discussion section seems not that necessary, because I don't have many questions to ask in the discussion section, and every student has different questions.

This discussion was extremely helpful.

We often spent too much time on one question, though he did explain the questions well.

It was a good discussion class, all my questions were answered.

Discussion section was very important component of the course that really helped not only to break down difficult topics, but also to understand the topic in a different way. The teacher assistant also had a plethora of other methods to solve problems.

His examples were helpful and the quizzes were a good way to check to see how well I was following the course.

i get answers from discussion, it is helpful

Discussion was kind of useless, only to take the quizzes. Quizzes were way too easy, not representative of how hard the material was and thus misleading for the midterms.

~ QUESTIONS AND DETAILS ~ ~ ANSWER MATRICES ~

The discussion was more useful than the lectures.
It was helpful

24. (Regarding your teaching assistant)
Your comments on the teaching assistant:
~
Question Type: Short Answer
~
contributed by Department of Mathematics

| Results for MATH-2310-301 | |
|---------------------------|---|
| Total | Individual Answers |
| 18 | <i>See below for Individual Results</i> |

He was very friendly and helpful.

I felt that he tended to spend a little too much time on individual questions, which prevented him from going over more than one or two questions per discussion period. At the same time, his explanations were very thorough, organized, and easy to follow.

The teaching assistant spends too much time on simple questions, but he organizes his presentation well.

He is approachable and helpful.

Was very friendly and approachable. Seemed to genuinely like teaching, did not seem bothered at all when someone would ask question. Very patient, which is a very valuable trait when dealing with math students.

Spent way too long going over menial algebra within questions, and not enough time on the concepts that are more applicable across the spectrum

Extremely friendly and upbeat; however lengthy explanations would usually end up taking most of the class and little to no questions would be fully answered in the discussion.

the TA is very helpful and patient

Mariano spent too much time explaining basic concepts everyone had already mastered, which caused him to run out of time that would have been used to explain the more difficult concepts that people were struggling with. However, he was approachable during office hours and would answer additional questions then.

Mariano was very well put together and he took a lot of time on his explanations, making sure to explain each piece, so that I always understood these even if I hadn't understood the lecture.

Mariano was very approachable and very interested in the topic. I enjoyed going to the discussion section. The only negative is that he seemed very nervous in the front of the class, but clearly knew the topic very well.

He often took a long time to answer a single question, leaving us only able to discuss one or two questions in the discussion. I would've liked it to go a little faster.

His pronunciation is very annoying.

The TA was very good at explaining problems, but his explanations were very time consuming. He often was only able to do one or two problems in the time given.

He was helpful

Mariano was very well prepared for every lecture, added additional resources for us to study, and always got our quizzes and tests back with explanations for what we did wrong on them (which I greatly appreciate!)

He was fantastic! He knew the material and was instrumental in my understanding of the material.

Mariano was great. Very friendly, warm, intelligent, and helpful.

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

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-2310-301 | | | | | |
|---------------------------|------------------|-------------|------------|------------|-----------------|
| Total | Less than 1 (NA) | 1 - 3 (NA) | 4 - 6 (NA) | 7 - 9 (NA) | 10 or more (NA) |
| 25 | 2 (8.00%) | 13 (52.00%) | 9 (36.00%) | 1 (4.00%) | 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-2310-301 | | | | | | | |
|---------------------------|------|---------|--------------------|-------------|-------------|--------------|-----------------------|
| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
| 25 | 3.96 | 0.93 | 7 (28.00%) | 12 (48.00%) | 5 (20.00%) | 0 (0.00%) | 1 (4.00%) |

| 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%) |

27. Overall, this was a worthwhile course.

Question Type: Likert

contributed by Office of the Provost

| Results for MATH-2310-301 | | | | | | | |
|---------------------------|------|---------|--------------------|-------------|-------------|--------------|-----------------------|
| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
| 25 | 3.92 | 1.04 | 8 (32.00%) | 10 (40.00%) | 5 (20.00%) | 1 (4.00%) | 1 (4.00%) |

| 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-2310-301, Echeverria Echeverria, Mariano | | | | | | | |
|---|------|---------|--------------------|-------------|-------------|--------------|-----------------------|
| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
| 25 | 4.36 | 0.70 | 12 (48.00%) | 10 (40.00%) | 3 (12.00%) | 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 | 4.02 | 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-2310-301, Echeverria Echeverria, Mariano | | | | | | | |
|---|------|---------|--------------------|------------|-------------|--------------|-----------------------|
| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
| 25 | 4.52 | 0.65 | 15 (60.00%) | 8 (32.00%) | 2 (8.00%) | 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%) |

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

30. Overall, the instructor was an effective teacher.

Question Type: Likert

contributed by Office of the Provost

| Results for MATH-2310-301, Echeverria Echeverria, Mariano | | | | | | | |
|---|------|---------|--------------------|------------|-------------|--------------|-----------------------|
| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
| 24 | 4.04 | 0.95 | 9 (37.50%) | 9 (37.50%) | 4 (16.67%) | 2 (8.33%) | 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-2310-301 | |
|---------------------------|----------------------------------|
| Total | Individual Answers |
| 6 | See below for Individual Results |

It was useful

This course may helpful for some students, but it is not that necessary for me except the quiz part.

it is very helpful

Great discussion section. Great TA. Overall I enjoyed this class and would suggest it to others.

Cannot complain.

Mr.Echeverria was a great teacher and passionate about the subject.