

MATH 3255-102 Ordinary Differential Equatns - Spring 2016

CGAS (20054)

INSTRUCTORS: Echeverria Echeverria, Mariano (me3qr)

Respondents: 19 / Enrollment: 33

~ 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-3255-102

| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
|-------|------|---------|-----------------------|--------------|----------------|------------|--------------------|
| 19 | 3.74 | 1.05 | 1 (5.26%) | 1 (5.26%) | 4 (21.05%) | 9 (47.37%) | 4 (21.05%) |

Results for Mathematics Discussion Sections - Spring, 2016

| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
|-------|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| 221 | 3.34 | 1.15 | 16 (7.24%) | 41 (18.55%) | 47 (21.27%) | 86 (38.91%) | 31 (14.03%) |

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-3255-102

| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
|-------|------|---------|-----------------------|--------------|----------------|------------|--------------------|
| 19 | 3.84 | 1.07 | 1 (5.26%) | 1 (5.26%) | 3 (15.79%) | 9 (47.37%) | 5 (26.32%) |

Results for Mathematics Discussion Sections - Spring, 2016

| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
|-------|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| 221 | 3.43 | 1.17 | 18 (8.14%) | 33 (14.93%) | 42 (19.00%) | 92 (41.63%) | 36 (16.29%) |

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

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-3255-102

| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
|-------|------|---------|-----------------------|--------------|----------------|------------|--------------------|
| 19 | 3.58 | 1.07 | 1 (5.26%) | 2 (10.53%) | 4 (21.05%) | 9 (47.37%) | 3 (15.79%) |

Results for Mathematics Discussion Sections - Spring, 2016

| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
|-------|------|---------|-----------------------|--------------|----------------|--------------|--------------------|
| 220 | 3.78 | 0.95 | 6 (2.73%) | 17 (7.73%) | 42 (19.09%) | 109 (49.55%) | 46 (20.91%) |

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

Question Type: Likert

contributed by Department of Mathematics

Results for MATH-3255-102

| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
|-------|------|---------|-----------------------|--------------|----------------|------------|--------------------|
| 19 | 3.37 | 1.07 | 1 (5.26%) | 3 (15.79%) | 5 (26.32%) | 8 (42.11%) | 2 (10.53%) |

Results for Mathematics Discussion Sections - Spring, 2016

| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
|-------|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| 220 | 2.99 | 1.18 | 26 (11.82%) | 53 (24.09%) | 63 (28.64%) | 54 (24.55%) | 24 (10.91%) |

~ 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-3255-102 | | | | | | | |
|---------------------------|------|---------|------------|------------|------------|-----------|-----------|
| Total | Mean | Std Dev | A (5) | B (4) | C (3) | D (2) | F (1) |
| 19 | 4.26 | 0.81 | 9 (47.37%) | 6 (31.58%) | 4 (21.05%) | 0 (0.00%) | 0 (0.00%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|-------------|-------------|-------------|-------------|-----------|
| Total | Mean | Std Dev | A (5) | B (4) | C (3) | D (2) | F (1) |
| 221 | 3.61 | 1.09 | 50 (22.62%) | 80 (36.20%) | 55 (24.89%) | 27 (12.22%) | 9 (4.07%) |

**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-3255-102 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 19 | 4.42 | 1.02 | 1 (5.26%) | 0 (0.00%) | 1 (5.26%) | 5 (26.32%) | 12 (63.16%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 221 | 4.09 | 0.98 | 4 (1.81%) | 12 (5.43%) | 38 (17.19%) | 74 (33.48%) | 93 (42.08%) |

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

Question Type: Likert

contributed by Department of Mathematics

| Results for MATH-3255-102 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 19 | 4.37 | 1.07 | 1 (5.26%) | 0 (0.00%) | 2 (10.53%) | 4 (21.05%) | 12 (63.16%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 221 | 3.95 | 1.06 | 7 (3.17%) | 16 (7.24%) | 39 (17.65%) | 78 (35.29%) | 81 (36.65%) |

**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-3255-102 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 19 | 3.74 | 1.10 | 1 (5.26%) | 2 (10.53%) | 2 (10.53%) | 10 (52.63%) | 4 (21.05%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 220 | 3.80 | 1.09 | 7 (3.18%) | 22 (10.00%) | 48 (21.82%) | 73 (33.18%) | 70 (31.82%) |

**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-3255-102 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 18 | 3.94 | 1.21 | 1 (5.56%) | 2 (11.11%) | 1 (5.56%) | 7 (38.89%) | 7 (38.89%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 219 | 3.80 | 1.12 | 8 (3.65%) | 25 (11.42%) | 40 (18.26%) | 76 (34.70%) | 70 (31.96%) |

~ 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-3255-102 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|---------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 19 | 4.32 | 1.06 | 1 (5.26%) | 0 (0.00%) | 2 (10.53%) | 5 (26.32%) | 11 (57.89%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|-----------------------|---------------|----------------|----------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 218 | 4.03 | 0.96 | 4 (1.83%) | 12 (5.50%) | 36 (16.51%) | 87 (39.91%) | 79 (36.24%) |

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

Question Type: Likert

contributed by Department of Mathematics

| Results for MATH-3255-102 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|---------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 19 | 3.95 | 1.08 | 1 (5.26%) | 1 (5.26%) | 2 (10.53%) | 9 (47.37%) | 6 (31.58%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|-----------------------|----------------|----------------|----------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 218 | 3.77 | 1.05 | 5 (2.29%) | 25 (11.47%) | 47 (21.56%) | 80 (36.70%) | 61 (27.98%) |

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

Question Type: Likert

contributed by Department of Mathematics

| Results for MATH-3255-102 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|---------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 19 | 4.05 | 1.08 | 1 (5.26%) | 0 (0.00%) | 4 (21.05%) | 6 (31.58%) | 8 (42.11%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|----------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 221 | 4.09 | 0.91 | 3 (1.36%) | 9 (4.07%) | 38 (17.19%) | 87 (39.37%) | 84 (38.01%) |

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

Question Type: Likert

contributed by Department of Mathematics

| Results for MATH-3255-102 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|----------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 19 | 3.89 | 1.05 | 1 (5.26%) | 1 (5.26%) | 2 (10.53%) | 10 (52.63%) | 5 (26.32%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|-----------------------|----------------|----------------|----------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 220 | 3.71 | 1.14 | 10 (4.55%) | 26 (11.82%) | 45 (20.45%) | 75 (34.09%) | 64 (29.09%) |

**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-3255-102 | | | | | | | |
|---------------------------|------|---------|-----------------------|---------------|----------------|----------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 19 | 3.74 | 1.10 | 1 (5.26%) | 2 (10.53%) | 2 (10.53%) | 10 (52.63%) | 4 (21.05%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|-----------------------|----------------|----------------|----------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 221 | 3.66 | 1.19 | 14 (6.33%) | 29 (13.12%) | 36 (16.29%) | 82 (37.10%) | 60 (27.15%) |

~ 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-3255-102 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 19 | 3.63 | 1.07 | 1 (5.26%) | 2 (10.53%) | 3 (15.79%) | 10 (52.63%) | 3 (15.79%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 219 | 3.63 | 1.12 | 10 (4.57%) | 27 (12.33%) | 50 (22.83%) | 79 (36.07%) | 53 (24.20%) |

**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-3255-102 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 19 | 4.00 | 1.05 | 1 (5.26%) | 0 (0.00%) | 4 (21.05%) | 7 (36.84%) | 7 (36.84%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 220 | 4.03 | 0.88 | 2 (0.91%) | 6 (2.73%) | 52 (23.64%) | 84 (38.18%) | 76 (34.55%) |

**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-3255-102 | | | | | | | |
|---------------------------|------|---------|-------------|------------|-----------|-----------|-----------|
| Total | Mean | Std Dev | A (5) | B (4) | C (3) | D (2) | F (1) |
| 19 | 4.63 | 0.83 | 15 (78.95%) | 2 (10.53%) | 1 (5.26%) | 1 (5.26%) | 0 (0.00%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|-------------|-------------|-------------|------------|-----------|
| Total | Mean | Std Dev | A (5) | B (4) | C (3) | D (2) | F (1) |
| 220 | 3.96 | 1.12 | 91 (41.36%) | 64 (29.09%) | 40 (18.18%) | 16 (7.27%) | 9 (4.09%) |

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-3255-102 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 18 | 4.28 | 0.83 | 0 (0.00%) | 1 (5.56%) | 1 (5.56%) | 8 (44.44%) | 8 (44.44%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|--------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 219 | 4.02 | 0.91 | 4 (1.83%) | 12 (5.48%) | 28 (12.79%) | 107 (48.86%) | 68 (31.05%) |

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-3255-102 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 19 | 4.21 | 0.85 | 0 (0.00%) | 1 (5.26%) | 2 (10.53%) | 8 (42.11%) | 8 (42.11%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 221 | 3.93 | 0.90 | 4 (1.81%) | 8 (3.62%) | 49 (22.17%) | 98 (44.34%) | 62 (28.05%) |

~ 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-3255-102 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 19 | 4.37 | 0.60 | 0 (0.00%) | 0 (0.00%) | 1 (5.26%) | 10 (52.63%) | 8 (42.11%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 221 | 4.26 | 0.83 | 2 (0.90%) | 5 (2.26%) | 27 (12.22%) | 86 (38.91%) | 101 (45.70%) |

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

Question Type: Likert

contributed by Department of Mathematics

| Results for MATH-3255-102 | | | | | | | |
|---------------------------|------|---------|-----------------------|--------------|----------------|------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 19 | 4.32 | 0.82 | 0 (0.00%) | 1 (5.26%) | 1 (5.26%) | 8 (42.11%) | 9 (47.37%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|-----------------------|--------------|----------------|-------------|--------------------|
| Total | Mean | Std Dev | Strongly Disagree (1) | Disagree (2) | No Opinion (3) | Agree (4) | Strongly Agree (5) |
| 220 | 4.15 | 0.85 | 2 (0.91%) | 8 (3.64%) | 29 (13.18%) | 96 (43.64%) | 85 (38.64%) |

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-3255-102 | | | | | |
|---------------------------|----------------|----------------|----------------|----------------|----------------------|
| Total | 0-2 hours (NA) | 3-4 hours (NA) | 5-6 hours (NA) | 7-8 hours (NA) | 9 or more hours (NA) |
| 19 | 2 (10.53%) | 8 (42.11%) | 6 (31.58%) | 1 (5.26%) | 2 (10.53%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | |
|--|----------------|----------------|----------------|----------------|----------------------|
| Total | 0-2 hours (NA) | 3-4 hours (NA) | 5-6 hours (NA) | 7-8 hours (NA) | 9 or more hours (NA) |
| 222 | 62 (27.93%) | 79 (35.59%) | 44 (19.82%) | 27 (12.16%) | 10 (4.50%) |

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

Question Type: Short Answer

contributed by Department of Mathematics

| Results for MATH-3255-102 | |
|---------------------------|----------------------------------|
| Total | Individual Answers |
| 10 | See below for Individual Results |

I feel like instead of the i-clicker quizzes, any of those short questions that need to be covered should either be covered in the initial written quiz or be covered more in the context of the course. The discussion session should be used for answering questions and reinforcing concepts, rather than quizzes that leave no time for question.

Overall I thought the quizzes accurately covered the course material but the way in which they were graded made it to where it only took one or two small errors to drop the overall letter grade quite drastically for an individual quiz.

I like how the quizzes were held each discussion section, but I often thought the rest of the discussion section was pointless because we only had about 20 minutes.

Fine

Pretty much only useful for the weekly quizzes

Well-run, nothing superlative but achieved what it set out to do.

It was pretty good. I don't have any complaints.

I liked the quizzes in place of homework assignments, it motivated me more to actually understand how to do the problems, rather than simply trying to guess at an answer.

The discussion was a great supplement to the lecture and helped prepare us for the tests throughout the year.

It was largely unhelpful to me. I went because of the quizzes

| ~ QUESTIONS AND DETAILS ~ | ~ ANSWER MATRICES ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------------------------|--------------------|----------------|--------------------|---------------|---|-------|------------------|------------|------------|------------|--------------------|-----------|--------------|---------------|-----------------------|---------------|---------------|--|----------------|---------------|--------------|--------------|--------------|--|------------------|------------|------------|------------|-----------------|-----|----------------|----------------|----------------|----------------|--------------------|-----------|-------------|--------------|-----------------------|-----|------|------|----------------|----------------|----------------|---------------|--------------|
| <p>24. (Regarding your teaching assistant) Your comments on the teaching assistant:</p> <p>~ Question Type: Short Answer ~ <i>contributed by Department of Mathematics</i></p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #2e5496; color: white;"> <th colspan="2">Results for MATH-3255-102</th> </tr> <tr> <th style="width: 20%;">Total</th> <th>Individual Answers</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">14</td> <td style="text-align: center;"><i>See below for Individual Results</i></td> </tr> </tbody> </table> <p>Mariano was great</p> <p>Mariano always seemed genuinely interested in helping us learn the material. His presentations were clear and he always did his best to make sure we understood what he was saying. Also, he was always smiling which gave me the impression that he really enjoyed teaching us.</p> <p>Fine</p> <p>Very effective and helpful.</p> <p>He seemed to know the subject matter well at time but he didn't command the class's attention like an instructor should and he was tough to understand at times</p> <p>Mariano is great.</p> <p>Intelligent, helpful, willing to work with students.</p> <p>Mariano is a great teacher and handled questions very well all semester. He provided a different perspective than Professor Bourdon on some topics, which was very helpful in understanding the material.</p> <p>Difficult to understand because of the combination of an accent and convoluted explanations</p> <p>I visited the teaching assistant, Mariano Echeverria, during office hours several times to ask questions and each time I found him to be informative and helpful.</p> <p>Always willing to answer my questions after class! I appreciate it, and he seemed to have a great level of knowledge of the subject.</p> <p>Quiet but clearly cared about students and material and all of our success.</p> <p>He was really nice and always helpful in responding to my questions! Thanks :)</p> <p>Mariano did a great job presenting lecture material and explaining clicker questions. I think he could speak more confidently in front of the class.</p> | Results for MATH-3255-102 | | Total | Individual Answers | 14 | <i>See below for Individual Results</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Results for MATH-3255-102 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | Individual Answers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | <i>See below for Individual Results</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>25. The average number of hours per week I spent outside of class preparing for this course was:</p> <p>~ Question Type: Multiple Choice ~ <i>contributed by Office of the Provost</i></p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #2e5496; color: white;"> <th colspan="6">Results for MATH-3255-102</th> </tr> <tr> <th style="width: 15%;">Total</th> <th style="width: 15%;">Less than 1 (NA)</th> <th style="width: 15%;">1 - 3 (NA)</th> <th style="width: 15%;">4 - 6 (NA)</th> <th style="width: 15%;">7 - 9 (NA)</th> <th style="width: 15%;">10 or more (NA)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">19</td> <td style="text-align: center;">0 (0.00%)</td> <td style="text-align: center;">5 (26.32%)</td> <td style="text-align: center;">10 (52.63%)</td> <td style="text-align: center;">2 (10.53%)</td> <td style="text-align: center;">2 (10.53%)</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr style="background-color: #a6a6a6;"> <th colspan="6">Results for Mathematics Discussion Sections - Spring, 2016</th> </tr> <tr> <th style="width: 15%;">Total</th> <th style="width: 15%;">Less than 1 (NA)</th> <th style="width: 15%;">1 - 3 (NA)</th> <th style="width: 15%;">4 - 6 (NA)</th> <th style="width: 15%;">7 - 9 (NA)</th> <th style="width: 15%;">10 or more (NA)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">220</td> <td style="text-align: center;">29 (13.18%)</td> <td style="text-align: center;">81 (36.82%)</td> <td style="text-align: center;">76 (34.55%)</td> <td style="text-align: center;">27 (12.27%)</td> <td style="text-align: center;">7 (3.18%)</td> </tr> </tbody> </table> | Results for MATH-3255-102 | | | | | | Total | Less than 1 (NA) | 1 - 3 (NA) | 4 - 6 (NA) | 7 - 9 (NA) | 10 or more (NA) | 19 | 0 (0.00%) | 5 (26.32%) | 10 (52.63%) | 2 (10.53%) | 2 (10.53%) | Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | Total | Less than 1 (NA) | 1 - 3 (NA) | 4 - 6 (NA) | 7 - 9 (NA) | 10 or more (NA) | 220 | 29 (13.18%) | 81 (36.82%) | 76 (34.55%) | 27 (12.27%) | 7 (3.18%) | | | | | | | | | | | | |
| Results for MATH-3255-102 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | Less than 1 (NA) | 1 - 3 (NA) | 4 - 6 (NA) | 7 - 9 (NA) | 10 or more (NA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 0 (0.00%) | 5 (26.32%) | 10 (52.63%) | 2 (10.53%) | 2 (10.53%) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | Less than 1 (NA) | 1 - 3 (NA) | 4 - 6 (NA) | 7 - 9 (NA) | 10 or more (NA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | 29 (13.18%) | 81 (36.82%) | 76 (34.55%) | 27 (12.27%) | 7 (3.18%) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>26. I learned a great deal in this course.</p> <p>~ Question Type: Likert ~ <i>contributed by Office of the Provost</i></p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #2e5496; color: white;"> <th colspan="8">Results for MATH-3255-102</th> </tr> <tr> <th style="width: 10%;">Total</th> <th style="width: 10%;">Mean</th> <th style="width: 10%;">Std Dev</th> <th style="width: 10%;">Strongly Agree (5)</th> <th style="width: 10%;">Agree (4)</th> <th style="width: 10%;">Neutral (3)</th> <th style="width: 10%;">Disagree (2)</th> <th style="width: 10%;">Strongly Disagree (1)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">19</td> <td style="text-align: center;">4.68</td> <td style="text-align: center;">0.58</td> <td style="text-align: center;">14 (73.68%)</td> <td style="text-align: center;">4 (21.05%)</td> <td style="text-align: center;">1 (5.26%)</td> <td style="text-align: center;">0 (0.00%)</td> <td style="text-align: center;">0 (0.00%)</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr style="background-color: #a6a6a6;"> <th colspan="8">Results for Mathematics Discussion Sections - Spring, 2016</th> </tr> <tr> <th style="width: 10%;">Total</th> <th style="width: 10%;">Mean</th> <th style="width: 10%;">Std Dev</th> <th style="width: 10%;">Strongly Agree (5)</th> <th style="width: 10%;">Agree (4)</th> <th style="width: 10%;">Neutral (3)</th> <th style="width: 10%;">Disagree (2)</th> <th style="width: 10%;">Strongly Disagree (1)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">221</td> <td style="text-align: center;">3.93</td> <td style="text-align: center;">0.99</td> <td style="text-align: center;">71 (32.13%)</td> <td style="text-align: center;">88 (39.82%)</td> <td style="text-align: center;">44 (19.91%)</td> <td style="text-align: center;">12 (5.43%)</td> <td style="text-align: center;">6 (2.71%)</td> </tr> </tbody> </table> | Results for MATH-3255-102 | | | | | | | | Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) | 19 | 4.68 | 0.58 | 14 (73.68%) | 4 (21.05%) | 1 (5.26%) | 0 (0.00%) | 0 (0.00%) | Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | | Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) | 221 | 3.93 | 0.99 | 71 (32.13%) | 88 (39.82%) | 44 (19.91%) | 12 (5.43%) | 6 (2.71%) |
| Results for MATH-3255-102 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 4.68 | 0.58 | 14 (73.68%) | 4 (21.05%) | 1 (5.26%) | 0 (0.00%) | 0 (0.00%) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 221 | 3.93 | 0.99 | 71 (32.13%) | 88 (39.82%) | 44 (19.91%) | 12 (5.43%) | 6 (2.71%) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

27. Overall, this was a worthwhile course.

Question Type: Likert

contributed by Office of the Provost

| Results for MATH-3255-102 | | | | | | | |
|---------------------------|------|---------|--------------------|------------|-------------|--------------|-----------------------|
| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
| 19 | 4.68 | 0.67 | 15 (78.95%) | 2 (10.53%) | 2 (10.53%) | 0 (0.00%) | 0 (0.00%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|--------------------|-------------|-------------|--------------|-----------------------|
| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
| 222 | 3.76 | 1.12 | 67 (30.18%) | 76 (34.23%) | 49 (22.07%) | 19 (8.56%) | 11 (4.95%) |

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-3255-102, Echeverria Echeverria, Mariano | | | | | | | |
|---|------|---------|--------------------|------------|-------------|--------------|-----------------------|
| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
| 19 | 4.42 | 0.61 | 9 (47.37%) | 9 (47.37%) | 1 (5.26%) | 0 (0.00%) | 0 (0.00%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|--------------------|-------------|-------------|--------------|-----------------------|
| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
| 248 | 4.14 | 0.90 | 103 (41.53%) | 92 (37.10%) | 41 (16.53%) | 9 (3.63%) | 3 (1.21%) |

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-3255-102, Echeverria Echeverria, Mariano | | | | | | | |
|---|------|---------|--------------------|------------|-------------|--------------|-----------------------|
| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
| 19 | 4.53 | 0.70 | 12 (63.16%) | 5 (26.32%) | 2 (10.53%) | 0 (0.00%) | 0 (0.00%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|--------------------|-------------|-------------|--------------|-----------------------|
| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
| 247 | 4.17 | 0.89 | 110 (44.53%) | 81 (32.79%) | 46 (18.62%) | 9 (3.64%) | 1 (0.40%) |

30. Overall, the instructor was an effective teacher.

Question Type: Likert

contributed by Office of the Provost

| Results for MATH-3255-102, Echeverria Echeverria, Mariano | | | | | | | |
|---|------|---------|--------------------|------------|-------------|--------------|-----------------------|
| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
| 19 | 4.42 | 0.77 | 10 (52.63%) | 8 (42.11%) | 0 (0.00%) | 1 (5.26%) | 0 (0.00%) |

| Results for Mathematics Discussion Sections - Spring, 2016 | | | | | | | |
|--|------|---------|--------------------|-------------|-------------|--------------|-----------------------|
| Total | Mean | Std Dev | Strongly Agree (5) | Agree (4) | Neutral (3) | Disagree (2) | Strongly Disagree (1) |
| 247 | 3.88 | 1.16 | 95 (38.46%) | 73 (29.55%) | 44 (17.81%) | 24 (9.72%) | 11 (4.45%) |

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

Question Type: Short Answer

contributed by Office of the Provost

| Results for MATH-3255-102 | |
|---------------------------|----------------------------------|
| Total | Individual Answers |
| 4 | See below for Individual Results |

This was a worthwhile discussion to attend, the TA was excellent, and the quizzes were fair and helpful.

There was a bit of a language barrier with Mariano which made it more difficult to understand the concepts he was explaining.

fine

~ QUESTIONS AND DETAILS ~

~ ANSWER MATRICES ~

Again, there should be a larger focus on explanation and understanding, and answering questions.
But overall a good course!