# Fall 2012

## Math120, Pre-Calculus (n=19)

For each question (except those as noted), the choices were:

(3) Strongly Agree,  (2) Agree,  (1) Disagree,  (0) Strongly Disagree.

| Question | Mean Response | Standard Deviation |
|---|---|---|
| 1: I found the lectures to be mostly understandable. | 2.00 | 0.67 |
| 2: I found most of the lectures to be enjoyable. | 1.74 | 0.65 |
| 3: I thought the number of examples given in lectures was... | too many: 0% about right: 63.2% too few: 36.8% | |
| 4: I thought the pace of this class was... | too fast: 47.4% about right: 52.6% too slow: 0% | |
| 5: I thought this course was organized well. | 1.95 | 0.52 |
| 6: I thought a reasonable amount of homework was being assigned. | 1.89 | 0.47 |
| 7: I thought the individual homework problems assigned were at a reasonable level of difficulty. | 1.89 | 0.68 |
| 8: I thought the homework days were beneficial to my learning. | 2.33 | 0.69 |
| 9: I thought ALEKs was beneficial to my learning. | 1.26 | 0.65 |
| 10: I thought the quizzes were at a reasonable level of difficulty. | 1.89 | 0.57 |
| 11: I thought the exams were at a reasonable level of difficulty. | 1.79 | 0.71 |
| 12: I thought the instructor had the appropriate level of enthusiasm and energy. | 2.42 | 0.61 |
| 13: I found the instructor's responses to my questions to be helpful. | 2.11 | 0.74 |
| 14: I found the instructor to be effective in teaching the subject matter. | 2.16 | 0.76 |
| 15: I thought the instructor cared about my progress in the course. | 2.00 | 1.00 |
| 16: The instructor clearly explained the concepts of the class. | 1.89 | 0.66 |
| 17: The instructor was available outside the class to help me. | 2.05 | 0.40 |
| 18: This course is what I expected it to be. | 1.74 | 0.65 |
| 19: I felt like this course was relevant to my major. | 1.56 | 0.70 |
| 20: In comparison to other courses I have taken, I found this course to be | a higher level of intellectual challenge: 63.2% a similar level of intellectual challenge: 36.8% a lower level of intellectual challenge: 0% | |
| 21: If a friend of mine asked me about this instructor, I would recommend taking a class from him. | 2.11 | 0.99 |
| 22: Overall, I thought this was a good course. | 1.89 | 0.66 |
| 23: I have a good idea of what my current grade in this class is. | 2.37 | 0.50 |
| 24: I think my current grade in this class adequately represents my performance. | 2.00 | 0.79 |

## *Representative Comments*

25: What do you think most contributed to your success in this class?

- Doing the homework
- Discussions and in class examples
- Homework sessions

26: What do you think most contributed to any troubles you had in this class?

- The exams were hard
- My lack of effort towards learning new material
- Not paying attention in class
- Lectures were sometimes confusing or hard to follow
- Maybe a little fast-paced near the end of the semester

27: Do you have any suggestions that may be helpful for the next time this course is taught?

- Don't use ALEKS. It is a terrible program that gave me a grade that was far below what it should have been.
- More examples in class
- Give more info on which formulas need to be memorized
- Go a little bit slower and explain steps of a problem more

28: Do you have any advice to give to students in the first week of this class in future semesters?

- Study hard
- Actually do the homework and look at quiz solutions online.
- Do the ALEKS because it can really make a difference on your grade
- Don't fall behind in homework. If you show up & take notes, you'll do fine! ☺
- Come to class every day. Lectures are way more helpful than the book.

29: Any additional comments?

- I enjoyed you as a professor!
- Good class! Very much enjoyed.
- Okay class.

# Math160, Pre-Calculus (n=23)

For each question (except those as noted), the choices were:

(3) Strongly Agree, (2) Agree, (1) Disagree, (0) Strongly Disagree.

| Question | Mean Response | Standard Deviation |
|---|---|---|
| 1: I have attended all or just about all of the lectures. | 2.83 | 0.39 |
| 2: I found the lectures to be mostly understandable. | 2.43 | 0.51 |
| 3: I found most of the lectures to be enjoyable. | 2.35 | 0.57 |
| 4: I thought the number of examples given in lectures was... | too many: 0% about right: 91.3% too few: 8.7% | |
| 5: I thought the pace of this class was... | too fast: 4.5% about right: 90.9% too slow: 4.5% | |
| 6: I thought this course was organized well. | 2.57 | 0.51 |
| 7: I thought a reasonable amount of homework was being assigned. | 2.17 | 0.58 |
| 8: I thought the individual homework problems assigned were at a reasonable level of difficulty. | 2.17 | 0.49 |
| 9: I thought the homework days were beneficial to my learning. | 2.26 | 0.62 |
| 10: I thought the quizzes were at a reasonable level of difficulty. | 2.00 | 0.43 |
| 11: I found the sample exam review sessions to be beneficial to my learning. | 2.35 | 0.78 |
| 12: I thought the exams were at a reasonable level of difficulty. | 1.78 | 0.85 |
| 13: I thought the instructor had the appropriate level of enthusiasm and energy. | 2.70 | 0.47 |
| 14: I found the instructor's responses to my questions to be helpful. | 2.48 | 0.59 |
| 15: I found the instructor to be effective in teaching the subject matter. | 2.57 | 0.51 |
| 16: I thought the instructor cared about my progress in the course. | 2.22 | 0.52 |
| 17: The instructor clearly explained the concepts of the class. | 2.35 | 0.49 |
| 18: The instructor was available outside the class to help me. | 2.35 | 0.49 |
| 19: This course is what I expected it to be. | 2.04 | 0.47 |
| 20: I felt like this course was relevant to my major. | 1.91 | 1.04 |
| 22: In comparison to other courses I have taken, I found this course to be | a higher level of intellectual challenge: 60.9% a similar level of intellectual challenge: 34.8% a lower level of intellectual challenge: 4.3% | |
| 23: If a friend of mine asked me about this instructor, I would recommend taking a class from him. | 2.35 | 0.57 |
| 24: Overall, I thought this was a good course. | 2.35 | 0.57 |
| 25: I have a good idea of what my current grade in this class is. | 2.26 | 0.54 |
| 26: I think my current grade in this class adequately represents my performance. | 2.00 | 0.82 |

## *Representative Comments*

25: What do you think most contributed to your success in this class?

- S2I and practice tests
- Help from prof., homework days
- Paying close attention
- The lectures made a lot of sense and the time we spent working through examples was very helpful.

26: What do you think most contributed to any troubles you had in this class?

- My pre-calc knowledge
- The exams
- Waiting to do the homework instead of right away

27: Do you have any suggestions that may be helpful for the next time this course is taught?

- Go a little easier on tests/quizzes
- A little slower pace during lectures
- More review
- Suggest reading the chapter
- Make sample exams more like the exam
- I really like the Ch. 3 method of teaching

28: Do you have any advice to give to students in the first week of this class in future semesters?

- Really know your pre-calc
- Pay attention, do the homework, ask questions when you don't understand
- Do the homework. Always!
- Do homework right away and go to S2I

29: Any additional comments?

- Great class!
- ☺ I enjoyed the class
- Overall good class, it challenged me

# Math165, Calculus II (n=21)

For each question (except those as noted), the choices were:

(3) Strongly Agree,  (2) Agree,  (1) Disagree,  (0) Strongly Disagree.

| Question | Mean Response | Standard Deviation |
|---|---|---|
| 1: I have attended all or just about all of the lectures. | 2.76 | 0.62 |
| 2: I found the lectures to be mostly understandable. | 2.52 | 0.60 |
| 3: I found most of the lectures to be enjoyable. | 2.24 | 0.54 |
| 4: I thought the number of examples given in lectures was... | too many: 4.8% about right: 85.7% too few: 9.5% | |
| 5: I thought the pace of this class was... | too fast: 15% about right: 80% too slow: 5% | |
| 6: I thought this course was organized well. | 2.62 | 0.59 |
| 7: I thought a reasonable amount of homework was being assigned. | 2.14 | 0.73 |
| 8: I thought the individual homework problems assigned were at a reasonable level of difficulty. | 1.81 | 0.40 |
| 9: I think using WebAssign is an effective way of doing homework for this class. | 1.95 | 0.60 |
| 10: I thought the quizzes were at a reasonable level of difficulty. | 2.19 | 0.68 |
| 11: I thought the exams were at a reasonable level of difficulty. | 2.16 | 0.69 |
| 12: I found the pre-quiz discussion sessions to be beneficial to my learning. | 2.33 | 0.86 |
| 13: I found the sample exam review sessions to be beneficial to my learning. | 2.67 | 0.48 |
| 14: I thought the instructor had the appropriate level of enthusiasm and energy. | 2.95 | 0.22 |
| 15: I found the instructor's responses to my questions to be helpful. | 2.71 | 0.46 |
| 16: I found the instructor to be effective in teaching the subject matter. | 2.67 | 0.48 |
| 17: I thought the instructor cared about my progress in the course. | 2.55 | 0.51 |
| 18: The instructor clearly explained the concepts of the class. | 2.50 | 0.51 |
| 19: The instructor was available outside the class to help me. | 2.48 | 0.60 |
| 20: This course is what I expected it to be. | 2.19 | 0.75 |
| 21: I felt like this course was relevant to my major. | 2.19 | 0.87 |
| 22: In comparison to other courses I have taken, I found this course to be | a higher level of intellectual challenge: 71.4% a similar level of intellectual challenge: 28.6% a lower level of intellectual challenge: 0% | |
| 23: If a friend of mine asked me about this instructor, I would recommend taking a class from him. | 2.42 | 0.61 |
| 24: Overall, I thought this was a good course. | 2.48 | 0.60 |
| 25: I have a good idea of what my current grade in this class is. | 2.33 | 0.48 |
| 26: I think my current grade in this class adequately represents my performance. | 2.30 | 0.57 |

## *Representative Comments*

27: What do you think most contributed to your success in this class?

- Studying
- Going to class
- Using class notes on WebAssign
- The lectures and taking good notes
- The review sessions before exams and quizzes

28: What do you think most contributed to any troubles you had in this class?

- Not doing the WebAssign
- Pace of the class was a bit fast
- I didn't have as strong algebra skills as I should have

29: Do you have any suggestions that may be helpful for the next time this course is taught?

- In class examples closer to test questions
- More review in the beginning maybe. Especially for fall semester when we have been out of class for a while.
- Slow down during series a little

30: Do you have any advice to give to students in the first week of this class in future semesters?

- Don't save the homework for the last minute
- Have fun and do the work
- Pay Attention
- It's a hard class, no way around it. Do well on the quizzes. They prepare you for tests.
- Absolutely, 100%, do NOT skip any lectures of this class because it will probably put you very far behind.

31: Any additional comments?

- Thank you!
- Congrats. You made me semi-enjoy math!

# Math310, Number Theory (n=19)

For each question (except those as noted), the choices were:

(3) Strongly Agree,   (2) Agree,   (1) Disagree,   (0) Strongly Disagree.

| Question | Mean Response | Standard Deviation |
|---|---|---|
| 1: I attended all or just about all of the lectures. | 2.79 | 0.54 |
| 2: I found the lectures to be mostly understandable. | 2.21 | 0.42 |
| 3: I found most of the lectures to be enjoyable. | 2.05 | 0.23 |
| 4: I thought the number of examples given in lectures is... | too many: 0% about right: 94.4% too few: 5.6% | |
| 5: I thought the pace of this class was... | too fast: 5.6% about right: 94.4% too slow: 0% | |
| 6: I thought this course has been organized well. | 2.33 | 0.49 |
| 7: I thought a reasonable amount of homework is being assigned. | 2.22 | 0.55 |
| 8: I thought the individual homework problems assigned are at a reasonable level of difficulty. | 2.16 | 0.50 |
| 9: I found the homework days beneficial to my learning. | 2.56 | 0.70 |
| 10: I found the written homework beneficial to my learning. | 2.47 | 0.51 |
| 11: I thought the quizzes were at a reasonable level of difficulty. | 2.44 | 0.51 |
| 12: I thought the exams were at a reasonable level of difficulty. | 2.13 | 0.34 |
| 13: I thought the instructor has the appropriate level of enthusiasm and energy. | 2.58 | 0.51 |
| 14: I found the instructor's responses to my questions to be helpful. | 2.22 | 0.55 |
| 15: I found the instructor to be effective in teaching the subject matter. | 2.53 | 0.51 |
| 16: I thought the instructor cared about my progress in the course. | 2.26 | 0.45 |
| 17: The instructor clearly explained the concepts of the class. | 2.39 | 0.50 |
| 18: The instructor was available outside the class to help me. | 2.26 | 0.56 |
| 19: What percentage of your studying (homework or otherwise) is done in a group? | 0%: 33.3% 5-20%: 33.3% 25 - 50%: 16.7% 55 - 75%: 5.6% 80 – 100%: 11.1% | |
| 20: This course is what I expected it to be. | 2.26 | 0.45 |
| 21: I felt like this course was relevant to my major. | 2.47 | 0.62 |
| 22: In comparison to other MATH courses I have taken, I found this course to be | a higher level of intellectual challenge: 31.6% a similar level of intellectual challenge: 68.4% a lower level of intellectual challenge: 0% | |
| 23: If a friend of mine asked me about this instructor, I would recommend taking a class from him. | 2.50 | 0.51 |
| 24: Overall, I thought this was a good course. | 2.42 | 0.51 |

31: What do you think most contributed to your success in this class?

- I think the homework (both oral & written) were very beneficial. This helped me to be able to understand the problems before the exam.
- Seeing examples and doing oral homework.
- Doing the HW & studying in a group.
- Attending class and working with others on homework and studying

32: What do you think most contributed to any troubles you had in this class?

- Understanding of proofs/methods of proofs, Picking the correct formula/equation
- The textbook was difficult to understand.
- Didn't ask questions when I had trouble
- Not studying enough
- Not enough example in text

33: Do you have any suggestions that may be helpful for the next time this course is taught?

- I think doing more formal proofs in class would help (example proofs)
- Help more w/ proofs, or teach more about them when we're assigned them.
- Hard to do on T/TH, more class days
- I liked this course, no suggestions

34: What advice would you give to another student taking this course next time?

- Make sure you stay on task because it will help you through the semester. Come to class!
- Emphasize the importance of asking for help and coming to office hours.
- I recommend working with others and attend class every day.
- Study in groups, do your stuff on time & don't wait till the last moment.
- Don't procrastinate with this class! Start making flashcards of important definitions/theorems.
- It gets a lot easier as the semester goes on. The first two weeks were the worst for me.
- Keep up with the homework.
- Lectures are beneficial. Stay on top of HW and study notes.

35: Any additional comments?

- Great Job! I think you made this class one of my favorites!
- Make a 3 day a week class for 50 min. Hard to concentrate and focus for an hour and a half.
- Even though this class was very difficult, it was still fun & entertaining to take!