

May 2015

Math140, Applied Calculus (n=10)

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. | 3.00 | 0.00 |
| 2: I found the lectures to be mostly understandable. | 2.00 | 0.82 |
| 3: I found most of the lectures to be enjoyable. | 2.00 | 0.71 |
| 4: I thought the number of examples given in lectures was... | too many: 0% about right: 80% too few: 20% | |
| 5: I thought the pace of this class was... | too fast: 20% about right: 80% too slow: 0% | |
| 6: I thought this course was organized well. | 2.00 | 0.47 |
| 7: I thought a reasonable amount of homework was being assigned. | 1.60 | 0.84 |
| 8: I thought the individual homework problems assigned were at a reasonable level of difficulty. | 1.90 | 0.32 |
| 9: I thought the homework assignments were at a reasonable level of difficulty. | 1.80 | 0.42 |
| 10: I thought the quizzes were at a reasonable level of difficulty. | 1.90 | 0.57 |
| 11: I thought the exams were at a reasonable level of difficulty. | 1.40 | 0.84 |
| 12: I found the previous exams helpful in my studying. | 1.50 | 0.97 |
| 13: I thought the instructor had the appropriate level of enthusiasm and energy. | 2.80 | 0.42 |
| 14: I found the instructor's responses to my questions to be helpful. | 2.40 | 0.52 |
| 15: I found the instructor to be effective in teaching the subject matter. | 2.20 | 0.79 |
| 16: I thought the instructor cared about my progress in the course. | 1.70 | 1.16 |
| 17: The instructor clearly explained the concepts of the class. | 1.80 | 0.92 |
| 18: The instructor was available outside the class to help me. | 1.67 | 0.50 |
| 19: This course is what I expected it to be. | 1.70 | 0.67 |
| 20: I felt like this course was relevant to my major. | 1.44 | 0.88 |
| 21: In comparison to other courses I have taken, I found this course to be | a higher level of intellectual challenge: 77.8% a similar level of intellectual challenge: 22.2% a lower level of intellectual challenge: 0% | |
| 22: If a friend of mine asked me about this instructor, I would recommend taking a class from him. | 2.00 | 1.22 |
| 23: Overall, I thought this was a good course. | 1.78 | 1.20 |

Representative Comments

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

- Group studies
- Paying attention/always showing up/doing the hw
- The teacher did a very good job of explaining
- The way how you broke up concepts really helped me learn the material.
- Reading from the book & reviewing the lecture notes!
- The organization of the material. I thought it was easier tying everything together in a 3 week course. I think a reg. term class would have been more difficult
- I like how he printed notes for the class. It made it easier to study. I also liked how he had study guides and posted the solution

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

- Too fast paced, overlapping material
- Just the fact that it was a May term class & had to be fast-paced
- Time constraints and overload of HW
- No tutors available
- A lot of the homework questions didn't correlate with the notes in class

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

- Less chapters
- No, I thought that it was very well taught and he has a lot of energy
- Not quite as many HW problems
- Homework that reflects quiz & exam!
- It was good, I liked having the option to start the exams a little early so we weren't rushed.

27: Do you have any advice you would give to students in the first week/day of this class in future semesters?

- Do you really need this course?
- Always do the hw
- Plan accordingly
- Do the homework, ask questions, and go to class.
- Work hard!!

28: Any additional comments?

- Great professor
- Good job and I had a good 3 weeks

- Thank you for a wonderful class.
- You can't have a Calc class & no tutor!!!
- College Algebra should NOT be a pre req for this class. Wasn't helpful at all.

Fall 2015

Math140, Applied Calculus (n=23) (Section 01)

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 | 0.49 |
| 2: I found the lectures to be mostly understandable. | 2.04 | 0.64 |
| 3: I found most of the lectures to be enjoyable. | 1.70 | 0.63 |
| 4: I thought the number of examples given in lectures was... | too many: 0% about right: 69.6% too few: 30.4% | |
| 5: I thought the pace of this class was... | too fast: 30.4% about right: 69.6% too slow: 0% | |
| 6: I thought this course was organized well. | 2.17 | 0.49 |
| 7: I thought a reasonable amount of homework was being assigned. | 1.96 | 0.47 |
| 8: I thought the individual homework problems assigned were at a reasonable level of difficulty. | 1.70 | 0.76 |
| 9: I thought the homework assignments were at a reasonable level of difficulty. | 1.65 | 0.71 |
| 10: I thought the quizzes were at a reasonable level of difficulty. | 1.83 | 0.49 |
| 11: I thought the exams were at a reasonable level of difficulty. | 1.52 | 0.79 |
| 12: I found the previous exams helpful in my studying. | 1.68 | 0.65 |
| 13: I thought the instructor had the appropriate level of enthusiasm and energy. | 2.26 | 0.69 |
| 14: I found the instructor's responses to my questions to be helpful. | 2.35 | 0.49 |
| 15: I found the instructor to be effective in teaching the subject matter. | 2.22 | 0.74 |
| 16: I thought the instructor cared about my progress in the course. | 1.70 | 0.70 |
| 17: The instructor clearly explained the concepts of the class. | 2.18 | 0.85 |
| 18: The instructor was available outside the class to help me. | 2.22 | 0.42 |
| 19: This course is what I expected it to be. | 1.61 | 0.58 |
| 20: I felt like this course was relevant to my major. | 1.74 | 0.92 |
| 21: In comparison to other courses I have taken, I found this course to be | a higher level of intellectual challenge: 73.9% a similar level of intellectual challenge: 26.1% a lower level of intellectual challenge: 0% | |
| 22: If a friend of mine asked me about this instructor, I would recommend taking a class from him. | 1.83 | 0.98 |
| 23: Overall, I thought this was a good course. | 1.83 | 0.78 |

Representative Comments

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

- Tutoring, really focusing on this class, a lot of studying
- Going to class
- The notes
- Studying examples
- Taking Calculus 1 before was a big help
- Examples in class were effective and clear in its methods. Concepts were thoroughly explained before going into the content
- Studying and reviewing the quizzes/exams as well looking over the problems that were done in class

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

- Reviewing a lot
- Homework
- The exams were difficult
- Not understanding concepts
- I was instructed to take this class before taking precalculus
- You went too fast sometimes and skipped through some steps when teaching a concept
- If I wasn't focused the whole time, it is easy to get lost because so much material is covered in one class period

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

- Test scores are commonly low, maybe better prepare
- Show some harder examples to prepare better for quizzes and exams
- Give less hw or make exams more generally conceptual
- Make the homework more like the examples in notes/book
- Keep doing your thing

27: Do you have any advice you would give to students in the first week/day of this class in future semesters?

- Take this course seriously, it's a lot of work but pays off if you put the adequate time in
- Go to class
- Always do all homework, its easy pts
- Study double what you think you should, know concepts inside and out
- Study hard and get help from tutors and the professor
- Take notes and study them

- Quickly switch to another professor. If you can't, be ready to go to the MAC at least once a week.
- Know concepts from past units, they can apply to things in units to come.
- Focus in lecture & study outside of class

28: Any additional comments?

- Really enjoyed class
- Very good professor
- I think a class average of 55% on Exam 2 (before the reclaim) was ridiculous. A class average should not be that low.
- You are great at teaching the subject, but perhaps expect too much out of many students who simply are required to take this course.

Math140, Applied Calculus (n=21) (Section 04)

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. | 2.81 | 0.40 |
| 2: I found the lectures to be mostly understandable. | 2.24 | 0.54 |
| 3: I found most of the lectures to be enjoyable. | 1.95 | 0.71 |
| 4: I thought the number of examples given in lectures was... | too many: 0% about right: 95% too few: 5% | |
| 5: I thought the pace of this class was... | too fast: 25% about right: 70% too slow: 5% | |
| 6: I thought this course was organized well. | 2.29 | 0.46 |
| 7: I thought a reasonable amount of homework was being assigned. | 2.14 | 0.57 |
| 8: I thought the individual homework problems assigned were at a reasonable level of difficulty. | 1.90 | 0.64 |
| 9: I thought the homework assignments were at a reasonable level of difficulty. | 1.76 | 0.62 |
| 10: I thought the quizzes were at a reasonable level of difficulty. | 1.90 | 0.79 |
| 11: I thought the exams were at a reasonable level of difficulty. | 1.85 | 0.75 |
| 12: I found the previous exams helpful in my studying. | 1.90 | 0.72 |
| 13: I thought the instructor had the appropriate level of enthusiasm and energy. | 2.52 | 0.51 |
| 14: I found the instructor's responses to my questions to be helpful. | 2.43 | 0.60 |
| 15: I found the instructor to be effective in teaching the subject matter. | 2.43 | 0.51 |
| 16: I thought the instructor cared about my progress in the course. | 2.05 | 0.60 |
| 17: The instructor clearly explained the concepts of the class. | 2.24 | 0.54 |
| 18: The instructor was available outside the class to help me. | 2.33 | 0.58 |
| 19: This course is what I expected it to be. | 1.89 | 0.66 |
| 20: I felt like this course was relevant to my major. | 1.38 | 0.92 |
| 21: In comparison to other courses I have taken, I found this course to be | a higher level of intellectual challenge: 66.7% a similar level of intellectual challenge: 33.3% a lower level of intellectual challenge: 0% | |
| 22: If a friend of mine asked me about this instructor, I would recommend taking a class from him. | 2.20 | 0.41 |
| 23: Overall, I thought this was a good course. | 2.25 | 0.44 |

Representative Comments

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

- The way the class was taught by a great professor

- Studying/Reviewing notes before tests
- Tutor
- Good effort and homework
- WileyPlus
- Developing study methods that allowed me to recognize problems and how to solve them
- The instructor made it fun to listen to lecture

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

- Homework was hard sometimes
- Not studying enough
- I didn't take PreCalc in High School
- Definitely missing any classes
- Falling behind on homework/not studying enough

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

- Nope
- Simplify the content of the questions
- Explain multiple times
- More time on quizzes
- More examples in class, force students to learn calculator better

27: Do you have any advice you would give to students in the first week/day of this class in future semesters?

- Do the homework it helps your grade
- For tests, don't study homework, study notes
- Don't worry about bad quiz grades, they are a lesson in itself
- Go to a tutor right away
- Come to every class
- Don't underestimate the course

28: Any additional comments?

- I loved Prof. Errthum as a teacher! ☺
- I really enjoyed your teaching style and I had a lot of fun in this class.
- No.

Math213, Calculus II (n=16)

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. | 2.94 | 0.25 |
| 2: I found the lectures to be mostly understandable. | 2.27 | 0.70 |
| 3: I found most of the lectures to be enjoyable. | 2.00 | 0.53 |
| 4: I thought the number of examples given in lectures was... | too many: 0% about right: 100% too few: 0% | |
| 5: I thought the pace of this class was... | too fast: 18.8% about right: 81.3% too slow: 0% | |
| 6: I thought this course was organized well. | 2.31 | 0.60 |
| 7: I thought a reasonable amount of homework was being assigned. | 2.38 | 0.50 |
| 8: I thought the individual homework problems assigned were at a reasonable level of difficulty. | 1.94 | 0.68 |
| 9: I think using WebWork is an effective way of doing homework for this class. | 2.13 | 0.62 |
| 10: I thought the quizzes were at a reasonable level of difficulty. | 2.00 | 0.63 |
| 11: I thought the exams were at a reasonable level of difficulty. | 2.06 | 0.57 |
| 12: I found the pre-quiz discussion sessions to be beneficial to my learning. | 2.31 | 0.60 |
| 13: I found the sample exam review sessions to be beneficial to my learning. | 2.56 | 0.51 |
| 14: I thought the instructor had the appropriate level of enthusiasm and energy. | 2.56 | 0.63 |
| 15: I found the instructor's responses to my questions to be helpful. | 2.38 | 0.81 |
| 16: I found the instructor to be effective in teaching the subject matter. | 2.53 | 0.74 |
| 17: I thought the instructor cared about my progress in the course. | 2.00 | 1.00 |
| 18: The instructor clearly explained the concepts of the class. | 2.31 | 0.95 |
| 19: The instructor was available outside the class to help me. | 2.56 | 0.51 |
| 20: This course is what I expected it to be. | 2.25 | 0.68 |
| 21: I felt like this course was relevant to my major. | 2.38 | 0.62 |
| 22: In comparison to other courses I have taken, I found this course to be | a higher level of intellectual challenge: 87.5% a similar level of intellectual challenge: 12.5% 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. | 2.13 | 1.09 |
| 24: Overall, I thought this was a good course. | 2.44 | 0.63 |
| 25: I have a good idea of what my current grade in this class is. | 2.50 | 0.52 |
| 26: I think my current grade in this class adequately represents my performance. | 2.06 | 0.93 |

Representative Comments

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

- The bonus questions offered on every test/quiz
- Asking questions, studying
- Doing homework problems
- In class review for tests/quizzes

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

- The WebAssign problems were sometimes more challenging than things we learned in class
- Time management, 1st “adult math class”
- Not studying enough. Need to do more problems
- I was slow at understanding some of the concepts in class
- Professor going to fast or wont help answer refreshing questions
- The instructor’s view of having students prove themselves to him.
- Bad Pre-Calc/Average algebra background mixed with different instructor.

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

- None. Very well taught
- More real world problems
- No not really, I really enjoyed the lectures
- Perhaps a brief geometry review during the first week
- Slow down & explain

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

- Do the homework because it helps you review, Go to class
- Keep up with homework. DO NOT miss lectures. STUDY!
- Give yourself enough time to workout all the homework problems on webassign. Don’t try to do them all at once
- Try your best
- Be prepared

31: Any additional comments?

- Great job, love the enthusiasm
- I really did enjoy this class.
- This was a fun class to be a part of. ☺

Math247, Discrete Mathematics (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. | 2.74 | 0.56 |
| 2: I found the lectures to be mostly understandable. | 1.89 | 0.68 |
| 3: I found most of the lectures to be enjoyable. | 1.72 | 0.67 |
| 4: I thought the number of examples given in lectures is... | too many: 10.5% about right: 52.6% too few: 36.8% | |
| 5: I thought the pace of this class was... | too fast: 42.1% about right: 57.9% too slow: 0% | |
| 6: I thought this course has been organized well. | 1.47 | 0.84 |
| 7: I thought a reasonable amount of homework is being assigned. | 1.79 | 0.71 |
| 8: I thought the individual homework problems assigned are at a reasonable level of difficulty. | 1.28 | 0.83 |
| 9: I found the homework days beneficial to my learning. | 2.32 | 0.48 |
| 10: I found the written homework beneficial to my learning. | 1.74 | 0.87 |
| 12: I thought the exams were at a reasonable level of difficulty. | 1.95 | 0.71 |
| 13: I thought the instructor has the appropriate level of enthusiasm and energy. | 2.37 | 0.60 |
| 14: I found the instructor's responses to my questions to be helpful. | 1.83 | 0.92 |
| 15: I found the instructor to be effective in teaching the subject matter. | 1.83 | 0.92 |
| 16: I thought the instructor cared about my progress in the course. | 1.83 | 0.92 |
| 17: The instructor clearly explained the concepts of the class. | 1.61 | 0.70 |
| 18: The instructor was available outside the class to help me. | 2.17 | 0.71 |
| 19: What percentage of your studying (homework or otherwise) is done in a group? | 0%: 0% 5-20%: 15.8% 25 - 50%: 42.1% 55 - 75%: 10.5% 80 – 100%: 31.6% | |
| 20: This course is what I expected it to be. | 1.28 | 0.83 |
| 21: I felt like this course was relevant to my major. | 1.74 | 0.99 |
| 22: In comparison to other MATH courses I have taken, I found this course to be | a higher level of intellectual challenge: 72.2% a similar level of intellectual challenge: 22.2% a lower level of intellectual challenge: 5.6% | |
| 23: If a friend of mine asked me about this instructor, I would recommend taking a class from him. | 1.71 | 0.85 |
| 24: Overall, I thought this was a good course. | 1.63 | 0.76 |

Representative Comments

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

- Working hard and going to every class. I wouldn't go as far to call it success though. Unless not failing is a success. My goal was an A and I got a B so I failed.
- Taking notes
- Attend class. Do homework regularly
- Study group
- Being able to go into office hours & oral hw days
- Having prior knowledge
- Office hours
- All the examples we did in class

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

- Sometimes the lectures were confusing & he would just move on
- Written homework
- Not studying enough

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

- Written homework needs to not be impossible.
- Go slower and not so much homework. Even amount of oral & written, not a lot of both.
- Actually care about your students. Do your own assignments.
- Not really, the class seemed to be the issue

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

- Be prepared. Its Math247 but it felt like a Math 400 level course. Only reason I recommend it is because while Errthum can be kinda rough, the dude is hilarious. It's a love hate relationship. You get killed in the homeworks, but his humor was fantastic to me.
- Get a tutor if you don't know anything. Join a study group. Figure out Errthum's office hours.
- Read the textbook ahead of classes
- Don't procrastinate on homework
- Go in for help if you need it, don't just complain
- Go to his office hours. It may be difficult stuff, but he always helps when you see him in his office.

29: Any additional comments?

- See ya in Number Theory
- Have a good break!