Having the key formulas and identities in a specific location helped in knowing the things needed for each lesson. Canvas quizzes are not my favorite. I didn't love the video teaching first then practice problems in class. I found it to be difficult because I was basically teaching myself how to do it then forced into problems I was already not understanding. I liked the daily quizzes and weekly quizzes because it forced you to prepare for class.

The videos, the notes were all very effective as well as daily and weekly quizzes. The tests were far too tricky not straight forward compared to earlier examples. The videos Kelly did are amazing. All STEM classes should be flipped so that we watch lectures before class and talk more in depth during lecture.

I think that the weekly quizzes were very helpful and required us to understand the material and practice our skills. I think that there should be more time to complete the daily quizzes and maybe shorter tests. The second exam, was a good test of knowledge but simply not enough time for me to complete as well as at least a few other students.

The class was awesome! The design was the best part. I really enjoyed the flipped classroom.

<table>
<thead>
<tr>
<th>Instructor Questions (MacArthur)</th>
<th>N</th>
<th>RR</th>
<th>Avg</th>
<th>MATH F14</th>
<th>Div Avg</th>
<th>Div F14</th>
<th>Sch Avg</th>
<th>Sch F14</th>
<th>Str</th>
<th>Disag</th>
<th>MILD</th>
<th>MILD</th>
<th>Agree</th>
<th>Str Agree</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Objectives clearly stated</td>
<td>65</td>
<td>51%</td>
<td>5.45</td>
<td>5.15</td>
<td>5.11</td>
<td>5.23</td>
<td>5.28</td>
<td>3% (2)</td>
<td>3% (2)</td>
<td>34% (22)</td>
<td>60% (39)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Objectives met</td>
<td>65</td>
<td>51%</td>
<td>5.31</td>
<td>5.10</td>
<td>5.06</td>
<td>5.20</td>
<td>5.28</td>
<td>6% (4)</td>
<td>2% (1)</td>
<td>2% (1)</td>
<td>29% (19)</td>
<td>62% (40)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Content well-organized</td>
<td>65</td>
<td>51%</td>
<td>5.43</td>
<td>5.02</td>
<td>4.97</td>
<td>5.12</td>
<td>5.26</td>
<td>5% (3)</td>
<td>2% (1)</td>
<td>3% (2)</td>
<td>23% (15)</td>
<td>68% (44)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 Course materials helpful</td>
<td>64</td>
<td>50%</td>
<td>5.48</td>
<td>4.94</td>
<td>4.91</td>
<td>5.11</td>
<td>5.25</td>
<td>3% (2)</td>
<td>2% (1)</td>
<td>3% (2)</td>
<td>23% (15)</td>
<td>69% (44)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 Assignments &amp; exams covered the course</td>
<td>65</td>
<td>51%</td>
<td>5.26</td>
<td>5.08</td>
<td>4.95</td>
<td>5.18</td>
<td>5.24</td>
<td>6% (4)</td>
<td>2% (1)</td>
<td>2% (1)</td>
<td>5% (3)</td>
<td>23% (15)</td>
<td>63% (41)</td>
<td></td>
</tr>
<tr>
<td>6 Learned great deal</td>
<td>64</td>
<td>50%</td>
<td>5.36</td>
<td>4.93</td>
<td>4.92</td>
<td>5.10</td>
<td>5.24</td>
<td>6% (4)</td>
<td>2% (1)</td>
<td>3% (2)</td>
<td>22% (14)</td>
<td>67% (43)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 Overall effective course</td>
<td>65</td>
<td>51%</td>
<td>5.35</td>
<td>4.93</td>
<td>4.89</td>
<td>5.10</td>
<td>5.24</td>
<td>6% (4)</td>
<td>3% (2)</td>
<td>2% (1)</td>
<td>22% (14)</td>
<td>68% (44)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9 Instructor was organized (MacArthur)</td>
<td>64</td>
<td>50%</td>
<td>5.5</td>
<td>5.10</td>
<td>5.07</td>
<td>5.22</td>
<td>5.40</td>
<td>3% (2)</td>
<td>2% (1)</td>
<td>2% (1)</td>
<td>23% (15)</td>
<td>70% (45)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 Instructor presented effectively (MacArthur)</td>
<td>64</td>
<td>50%</td>
<td>5.48</td>
<td>4.91</td>
<td>4.90</td>
<td>5.13</td>
<td>5.31</td>
<td>5% (3)</td>
<td>2% (1)</td>
<td>22% (14)</td>
<td>72% (46)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11 Instructor created respectful environment (MacArthur)</td>
<td>65</td>
<td>51%</td>
<td>5.45</td>
<td>5.21</td>
<td>5.18</td>
<td>5.35</td>
<td>5.47</td>
<td>5% (3)</td>
<td>5% (3)</td>
<td>2% (1)</td>
<td>15% (10)</td>
<td>74% (48)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 Demonstrated thorough knowledge (MacArthur)</td>
<td>64</td>
<td>50%</td>
<td>5.61</td>
<td>5.32</td>
<td>5.30</td>
<td>5.44</td>
<td>5.62</td>
<td>5% (3)</td>
<td>2% (1)</td>
<td>13% (8)</td>
<td>81% (52)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13 Instructor encouraged questions/ opinions (MacArthur)</td>
<td>65</td>
<td>51%</td>
<td>5.54</td>
<td>5.18</td>
<td>5.15</td>
<td>5.34</td>
<td>5.51</td>
<td>5% (3)</td>
<td>2% (1)</td>
<td>2% (1)</td>
<td>15% (10)</td>
<td>77% (50)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14 Instructor available for student consultation (MacArthur)</td>
<td>65</td>
<td>51%</td>
<td>5.48</td>
<td>5.22</td>
<td>5.15</td>
<td>5.31</td>
<td>5.42</td>
<td>5% (3)</td>
<td>2% (1)</td>
<td>3% (2)</td>
<td>18% (12)</td>
<td>72% (47)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15 Overall effective instructor (MacArthur)</td>
<td>64</td>
<td>50%</td>
<td>5.53</td>
<td>5.04</td>
<td>5.01</td>
<td>5.23</td>
<td>5.41</td>
<td>5% (3)</td>
<td>2% (1)</td>
<td>17% (11)</td>
<td>77% (49)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Question: Comments on course effectiveness

The videos that Kelly did are amazing. All STEM classes should be flipped so that we watch lectures before class and talk more in depth during lecture.

She only wanted math majors. She stated numerous times that, I know its odd but you guys will have to know this in future classes. No I do not. I am not a math major and do not need the extra math challenge for a different major.

I think that the weekly quizzes were very helpful and required us to understand the material and practice our skills. I think that there should be more time to complete the daily quizzes and maybe shorter tests. The second exam, was a good test of knowledge but simply not enough time for me to complete as well as at least a few other students.

The videos, the notes were all very effective as well as daily and weekly quizzes. The tests were far to tricky not straight forward compared to earlier examples. The videos before class I feel like using canvas was extremely difficult as you are unable to predict every kind of answer someone would put in.

course knowledge and studying tools

the videos Kelly provided were crucial to helping me fully grasp the material. this allowed me to have questions formulated before going to class. the daily and weekly quizzes were extremely helpful in keeping me up to date on my calculus skills i was learning.

Online resources were very helpful

the pre lectures and notes were very helpful

I didn't love the video teaching first then practice problems in class. I found it to be difficult because I was basically teaching myself how to do it then forced into problems I was already not understanding. I liked the daily quizzes and weekly quizzes because it forced you to prepare for class.

Having the key formulas and identities in a specific location helped in knowing the things needed for each lesson. Canvas quizzes are not my favorite.

The class was awesome! The design was the best part. I really enjoyed the flipped classroom.
Pre-video lectures and thursday reviews.

I love the timed short exercises in class.

eqweq

The amount of materials presented in different media was exceptional. The swapping or flipping of the course helped in realizing the material.

More on lines videos would help

Kelly is a good teacher

I liked the weekly and daily quizzes.

The fact that you can re watch the web videos make it a great help and that if you have questions you can then ask them next day in class.

I really enjoyed the in class lectures and the lecture videos.

The extra days spent on series and whatever else were EXTREMELY helpful, thank you!

The flipped course always kept you on your toes, keeping you engaged in study and work.

The flipped classroom setting was a big help to myself. It was easier for me to go bak and learn what was covered over the different sections. This was a helpful tool to review for the tests!

Honestly everything in this class was effective, I mean the reverse classroom style of teaching is awesome and very helpful, and Kelly simply knows a great deal and answers any questions we could possibly have.

The content is very good, lots of materials to help you study.

The online lectures are very helpful when I miss class. The weekly quizzes helpful recap the material that was covered. I really appreciate the Thursday reviews.

-Video Lectures -Optional homework; do as much or as little as you need to master the concepts

The way she taught integrals and derivatives saved my life. Best teacher I've ever had! She's awesome!

hahaha

Weekly quizzes helped show knowledge of subjects, and daily quizzes were helpful in finding small issues with reasoning.

Loved reverse classroom setup; liked frequent quizzes rather than homework

1. The general format of the class was excellent - extremely conducive to efficient learning. 2. The material was presented in a logical and altogether palatable fashion, allowing me to both digest it adequately and move through it quickly. This was the best executed math course I have ever taken.

daily and weekly quizzes are good way to test student understanding

The professor effectively used her webpage and canvas. Just keep doing what you're doing

The printable notes for her class were very helpful. Her tests always reflected exactly what we had talked about.

Not turning in the homework was helpful to me because I could do it and not feel pressured to have every answer right, so I would spend a few hours on it, learn a lot, and not worry about a deadline. In addition, having online lectures and then in class examples was extremely helpful, because it got the learning part out of the way and the understanding part was done in class. The style of the class was perfect for me.

Effective class structure (Work Mon - Wednesday, review Friday), Always stayed on schedule

I love the reverse classroom setup. The notecard on the test was infinitely helpful.

The exams were engaging and forced one to use what they learned in the class on the exam. Doing the assignments was helpful in learning the material.

The flipped curriculum. The practice in class.

Question: Comments, suggestions on instructor performance

MacArthur Kelly is one of the best teachers I have ever had. She really does a fantastic job teaching. Her only flaw is she gives way too many quizzes. 4 per week is a bit much. I think she is amazing though and I would not hesitate to take another course from her.

MacArthur Only effective for people she chooses. Mainly math majors.

MacArthur Thank you Kelly!

MacArthur Kelly is a very personable and intelligent professor. She explains material in detail and is willing to help students understand and can answer any questions posed. She also memorized most students by name, which is just impressive.

MacArthur Extremely intelligent and structured professor.

MacArthur Extremely helpful and upbeat. I loved her teaching style and techniques. And even though I have to retake the course I plan on taking it from her again.

MacArthur Great teacher

MacArthur Knows the material and is crazy good at math

MacArthur her knowledge of the subject allowed her to answer any questions the class had with great ease. her organization of her class website and the provided videos were key aspects of my success personally.

MacArthur Best math teacher I have ever had. Often went out of her way to help students understand the material and explained things multiple ways

MacArthur knew the material very well and knew how to translate it to the students

MacArthur Kelly is very good at teaching. She tends to be militant and very strict, but she was helpful when you had questions.

MacArthur Everything is setup very well.
### Question: Further comments about dropping course

I recently got married, my husband deployed for 6 months, and he was a big help for me with things in the house. When he left, I was left to handle with all the household related things on my own, in addition to the workload from four science classes, General Chemistry II, Biology, General Chemistry II, and Calculus II. I fell slightly behind, then it became worse as the weeks went by. My daily commute to school is at least 45 minutes each way, so sometimes I wasn't able to stay at school with a tutor or study sessions, office hours, etc. did not always work for me. I was not able to catch up, because I could not dedicate an adequate amount of time to study for this class; I was certainly going to do terribly on the second midterm and subsequent exams.

Trax was delayed by 40 min on an exam day but the instructor refused to work with me.