<table>
<thead>
<tr>
<th>Question</th>
<th>Mean</th>
<th>Count</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. How valuable were the assigned readings? 1=taught me little; 5=extremely educational</td>
<td>3.92</td>
<td>37</td>
<td>0</td>
<td>2</td>
<td>13</td>
<td>8</td>
<td>14</td>
</tr>
<tr>
<td>2. How valuable were the homework and/or computer assignments? 1=taught me little; 5=extremely educational</td>
<td>4.21</td>
<td>52</td>
<td>1</td>
<td>0</td>
<td>7</td>
<td>23</td>
<td>21</td>
</tr>
<tr>
<td>3. How valuable were the laboratories? 1=taught me little; 5=extremely educational</td>
<td>3.22</td>
<td>50</td>
<td>5</td>
<td>10</td>
<td>15</td>
<td>9</td>
<td>11</td>
</tr>
<tr>
<td>4. Rate the examinations in this course as a test of your knowledge. 1=too easy, not adequate; 3=adequate; 5=too difficult, not a fair test</td>
<td>3.38</td>
<td>52</td>
<td>0</td>
<td>4</td>
<td>31</td>
<td>10</td>
<td>7</td>
</tr>
<tr>
<td>5. Did the lecturer stimulate your interest in the subject? 1=not at all; 5=stimulated great interest, inspired independent effort</td>
<td>4.29</td>
<td>52</td>
<td>1</td>
<td>2</td>
<td>4</td>
<td>19</td>
<td>26</td>
</tr>
<tr>
<td>6. Was the lecture presentation organized and clear? 1=disorganized and unclear; 5=very organized and lucid</td>
<td>4.48</td>
<td>52</td>
<td>0</td>
<td>1</td>
<td>3</td>
<td>18</td>
<td>30</td>
</tr>
<tr>
<td>7. Was the lecturer willing and able to help you overcome difficulties? 1=was of no help; 5=was very helpful</td>
<td>4.71</td>
<td>52</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>7</td>
<td>41</td>
</tr>
<tr>
<td>8. Rate the overall teaching effectiveness of your lecturer compared to others at Cornell. 1=worse than average; 5=much better than average</td>
<td>4.17</td>
<td>52</td>
<td>1</td>
<td>2</td>
<td>7</td>
<td>19</td>
<td>23</td>
</tr>
<tr>
<td>9. Was the recitation organized and clear? 1=not at all; 5=very organized, lucid</td>
<td>3.38</td>
<td>52</td>
<td>2</td>
<td>10</td>
<td>16</td>
<td>14</td>
<td>10</td>
</tr>
<tr>
<td>10. Was the recitation instructor willing and available to help you overcome difficulties? 1=was of no help; 5=was very helpful</td>
<td>4.00</td>
<td>52</td>
<td>1</td>
<td>3</td>
<td>9</td>
<td>21</td>
<td>18</td>
</tr>
<tr>
<td>11. How would you rate the recitation instructor's command of the course material? 1=poor command of material; 5=excellent command of material</td>
<td>3.92</td>
<td>52</td>
<td>1</td>
<td>2</td>
<td>15</td>
<td>16</td>
<td>18</td>
</tr>
<tr>
<td>12. What was the overall quality of the recitations and your recitation instructor? 1=worse than average; 5=much better than average</td>
<td>3.44</td>
<td>52</td>
<td>1</td>
<td>8</td>
<td>16</td>
<td>21</td>
<td>6</td>
</tr>
<tr>
<td>13. Overall, how does course compare with other technical courses you've taken at Cornell? 1=poorly, not educational; 5=excellently, extremely educational</td>
<td>4.02</td>
<td>47</td>
<td>1</td>
<td>1</td>
<td>8</td>
<td>23</td>
<td>14</td>
</tr>
<tr>
<td>14. How many hours each week did you spend on this course outside of class/lab/recitation? 1=less than 2; 2=(2-4); 3=(5-8); 4=(9-15); 5=16 or more</td>
<td>2.69</td>
<td>52</td>
<td>0</td>
<td>24</td>
<td>22</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>15. How prepared were you for this course? 1=overprepared, if repeated material; 5=underprepared, course assumed unfamiliar knowledge</td>
<td>3.30</td>
<td>50</td>
<td>1</td>
<td>0</td>
<td>36</td>
<td>9</td>
<td>4</td>
</tr>
<tr>
<td>16. Was the code of academic integrity maintained in this course? 1=no, often violated; 5=yes, well maintained</td>
<td>4.75</td>
<td>51</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>8</td>
<td>41</td>
</tr>
<tr>
<td>17. Most important reason for taking this course? 1=field or major requires it; 2=prerequisite for further courses of interest; 3=interest in subject matter; 4=reputation of the course; 5=reputation of the instructor</td>
<td>--</td>
<td>51</td>
<td>8</td>
<td>3</td>
<td>37</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>
1. Please comment on the strengths of any aspect of this course (e.g., the lecture, recitation, laboratory, computing, text, homeworks, examinations or course content).

509: Strong emphasis on providing reasoning for our answers in homeworks/exam

552: Part of the reason why I like this course so much is because of the professor. I found her always willing to help, patient, approachable, and knowledgeable.

938: The lecture is very clear and the lecturer is well-prepared.

1080: Alice was great! Lecture was very interesting and tests were fair

1447: Very interesting topics with good applications to the real world. Class was well paced and although the class was a lecture it was very engaging - favorite class of the semester.

1663: The homeworks were very helpful for this course in terms of preparing for exams and utilizing knowledge learned from lecture. The strict grading on homeworks made people try harder because they wanted good grades, and I think people made a better effort to understand the homework, which made the exams seem easier or more familiar.

1669: Handouts and lectures are clear and interesting. Homeworks are challenging in a good way, not too hard to figure out if given thought or with guidance if necessary, but always gave a fresh look/approach/application of problems studied in lectures. Labs helped understand algorithms and the logic behind them a bit more, interesting.

1763: I liked the content of the course and the homeworks/exams. I think it did a good job of covering the basic concepts in OR and piqued my interest in the subject.

3517: I thought the lectures always started out as a little confusing but over the course of the lecture, the use of examples really cleared up the confusion. Office hours were crucial for understanding the homework since the homework was a step up from what we were learning in class.

3693: Strong lectures

4137: Alice is a good lecturer and really cares about her students.

4384: Does a great job of pulling in people who like the subject matter, organization of lecture really reflects the rigor the course asks of its students in the first place (OR is a very organized discipline it seem).

4504: The instructor does a great job teaching the material and answering all sorts of questions both in class and out of class patiently. Sometimes, the instructor could have been clearer, but overall the lectures were very useful.

4860: The homeworks were very difficult, but I think this helped us master the material. Excellent resources, particularly office hours, were available and helpful. The availability of resources on blackboard, particularly lecture notes and handouts due to the lack of a textbook, were also helpful resources.

5032: Office hours were really helpful and both the instructor and TAs were very willing to help

5475: Great professor who was clearly knowledgeable and passionate about the material being taught.

5882: Lectures were extremely well organized and informational, homework and office hours really helped develop
what we learned in cls

6748: I thought the lectures were well done and interesting, I really liked the final project

6928: The course content was very interesting and made me excited for continuing this major. Alice was a great teacher and very approachable. The TAs were very helpful.

8116: nice tests

8756: Lectures were interesting and prelims were fair

9014: Alice was always extremely willing to help, and her lectures were structured, digestible, and clear. The homeworks were challenging, but help was available through office hours.

9970: Office hours are extremely helpful.

10115: Lectures are very organized and educational. Homeworks help understand concepts better.

10341: Covered lots of material and provided a great summary of the field of OR without being too overwhelming in terms of work with fair exams.

10508: Lecture was clear. Recitations helped learn.

11610: Very organized lectures. Professor Paul was also very willing to help.

11764: I really enjoyed lecture and office hours because they were interesting, stimulating, and helpful. However, my experience in recitation differed. I think the TA was very unwilling to explain concepts and help us complete the assignments. He was on his phone for the majority of section and hardly offered help. Sometimes his explanations were insufficient and he would not clarify. Also, whenever we were having technical issues he would not help. I was very disappointed in the lack of guidance for these sections. The lab themselves did help to reinforce some of the course material.

11966: Always a systematic approach in teaching new material, so it was easier to understand them.

12271: Professor tried very hard to make us understand the material very well. The homework were helpful.
2. Please comment on the weaknesses of any aspect of this course (e.g., the lecture, recitation, laboratory, computing, text, homeworks, examinations or course content).

509: Many times I lost a few points (on homework and exams) which I felt were unreasonable and not justified clearly.

552: I think the labs were somewhat helpful, however I think they would be more helpful if we got them back so we could study off of them for our prelims and exams.

938: The recitation is not at all organized. We just come and finish the lab on ourselves. No more instruction and guide are given by the TA. Sometimes I am kind of confused about how the lab is related to what we have learned in the lecture.

1080: Labs could be improved

1447: Homework was a bit difficult (as in, I found that I would not do well if I did not go to office hours) but I understand that was the intention and it prepared me well for exams

1663: The only reading we had on the course were the handouts on blackboard, which were ok, but I like reading textbooks more and would have benefited from textbook practice questions of some sort.

1763: Lecturer seemed inexperienced, but was very helpful. Recitations were a bit confusing, but again the TA's were very helpful.

3517: The recitations were a little confusing. There was some problems with the software required for some of the labs but over the course of the semester that problem was cleaned up. I thought the TA's were helpful and nice but I think it would have helped if they had some more preparation for the labs so they could help more since often they were learning the labs as we were.

3566: Labs and lab software were confusing and often didn't seem planned out well

3693: Difficult to make jumps from lectures to home works

4137: The recitations were too long and the software was at times confusing to use. I think that the recitations could have been used to review material like a discussion type class.

4384: If anything, the labs seemed a bit out of place with the rest of our applications, though that can be easily remedied by introducing more real-life applications rather than just doing long versions of the same algorithms.

4504: Most of the labs were well-designed, but there were one or two that were not-so-organized and thus confused everyone in the recitation.

4860: The recitations were often confusing, and some of them were helpful but some seemed irrelevant.

5032: I didn't find recitation that beneficial to learning the material

5475: The recitations were at times confusing and outdated because even the TA's were sometimes confused as well. Homework was very difficult compared to exams and material taught in lectures.

6269: There needs to be a textbook
6748: I feel that the labs were somewhat confusing.

6928: The lectures sometimes moved too fast
the Handouts were sometimes too dense and hard to understand
Some of the recitations were very confusing- especially when using the AMPL software
It would have been more helpful if one of the three TAs office hours were later in the week instead of Monday and Tuesday. This would have made it easier to start the homework farther in advance than the day or two before.

8116: terrible homework assignments are harder than tests

8756: Homework was very difficult to understand and to get an A on most assignments you would need to go to office hours

9014: Many of the recitations were not as relevant to the course material and could be made to be more helpful and educational.

9970: Recitation can be very confusing at times, even for the TA's. The homework at first was too difficult in my opinion, but became manageable once I start attending office hours. I wish there was a text book. The hand outs are helpful but sometimes have too much detail which can be confusing.

10115: Recitations seem like a waste of time and students dont know where they're going wrong or right

10341: Homeworks would sometimes include applications of learned concepts that really should have been covered before the homework was assigned.

10508: Office hours are mandatory if one wants to succeed in this course. The homework is much, much, much harder than lecture and requires outside learning that is not available anywhere except office hours. For students unable to make office hours this is extremely frustrating as other students are often given the answers at these hours. Additionally, for an introduction course, the course took up too much time. With a two hour recitation, two lectures, two prelims, a project, and mandatory office hours, this course was incredible time taxing in comparison to other intro classes.

11610: The laboratories were often tedious and not helpful.

11764: I really enjoyed lecture and office hours because they were interesting, stimulating, and helpful. However, my experience in recitation differed. I think the TA was very unwilling to explain concepts and help us complete the assignments. He was on his phone for the majority of section and hardly offered help. Sometimes his explanations were insufficient and he would not clarify. Also, whenever we were having technical issues he would not help. I was very disappointed in the lack of guidance for these sections. The lab themselves did help to reinforce some of the course material.

11966: Some recitations were unnecessary and felt more like a test of patience rather than teaching a further understanding on the material.

12271: I would want the recitations to have better instructions.