Math 122 (Calculus I) S.A. Survey (Spring 2015)

Request:
Your CSULB Math 122 professors recognize all the hard work you put in to studying for this class. Our #1 goal is your success, and we need your feedback to make every aspect of this course better. Please answer the questions in this survey based on your experiences in the Supplemental Activity S.A. sessions. Your grade will not be impacted by how you respond, but you are required to answer the questions in the survey.

Results:
Who is the S.A. instructor whose session you usually attend?

<table>
<thead>
<tr>
<th>Instructor</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diana</td>
<td>30</td>
<td>33%</td>
</tr>
<tr>
<td>Genesis</td>
<td>61</td>
<td>67%</td>
</tr>
</tbody>
</table>

About how many of the S.A. Sessions have you attended?

<table>
<thead>
<tr>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0%</td>
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<tr>
<td>1</td>
<td>3.3%</td>
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<td>2.2%</td>
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<tr>
<td>3</td>
<td>2.2%</td>
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<tr>
<td>4</td>
<td>3.3%</td>
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<tr>
<td>5</td>
<td>3.3%</td>
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<tr>
<td>6</td>
<td>7.7%</td>
</tr>
<tr>
<td>7</td>
<td>3.3%</td>
</tr>
<tr>
<td>8</td>
<td>5.5%</td>
</tr>
<tr>
<td>9</td>
<td>4.4%</td>
</tr>
<tr>
<td>10</td>
<td>64.8%</td>
</tr>
</tbody>
</table>

Attending S.A. sessions has helped me do better in my class

<table>
<thead>
<tr>
<th>Strongly Disagree</th>
<th>Strongly Agree</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>12</td>
</tr>
<tr>
<td>4</td>
<td>43</td>
</tr>
<tr>
<td>Strongly Agree</td>
<td>5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>0%</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>47.3%</td>
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<tr>
<td>12</td>
<td>13.2%</td>
</tr>
<tr>
<td>32</td>
<td>35.2%</td>
</tr>
</tbody>
</table>
Math 122 is easier than I expected it to be

<table>
<thead>
<tr>
<th>Strongly Disagree:</th>
<th>11</th>
<th>12.1%</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>24</td>
<td>26.4%</td>
</tr>
<tr>
<td>3</td>
<td>33</td>
<td>36.3%</td>
</tr>
<tr>
<td>4</td>
<td>16</td>
<td>17.6%</td>
</tr>
<tr>
<td>Strongly Agree:</td>
<td>7</td>
<td>7.7%</td>
</tr>
</tbody>
</table>

What resources do you use to help you understand the Math 122 material outside of lecture?

<table>
<thead>
<tr>
<th>Read the textbook</th>
<th>39</th>
<th>42.9%</th>
</tr>
</thead>
<tbody>
<tr>
<td>YouTube videos</td>
<td>49</td>
<td>53.8%</td>
</tr>
<tr>
<td>Math department tutoring center (LAS 3rd floor)</td>
<td>16</td>
<td>17.6%</td>
</tr>
<tr>
<td>Study with friends</td>
<td>39</td>
<td>42.9%</td>
</tr>
<tr>
<td>Attend Supplemental Activity (S.A.) sessions</td>
<td>77</td>
<td>84.6%</td>
</tr>
<tr>
<td>Chegg, Wolfram Alpha, other online resources</td>
<td>61</td>
<td>67%</td>
</tr>
<tr>
<td>Other</td>
<td>15</td>
<td>16.5%</td>
</tr>
</tbody>
</table>

The resource that has helped me understand the material the most has been

<table>
<thead>
<tr>
<th>Read the textbook</th>
<th>8</th>
<th>8.8%</th>
</tr>
</thead>
<tbody>
<tr>
<td>YouTube videos</td>
<td>16</td>
<td>17.8%</td>
</tr>
<tr>
<td>Math department tutoring center (LAS 3rd floor)</td>
<td>6</td>
<td>6.6%</td>
</tr>
<tr>
<td>Study with friends</td>
<td>10</td>
<td>11%</td>
</tr>
<tr>
<td>Attend Supplemental Activity (S.A.) sessions</td>
<td>33</td>
<td>36.3%</td>
</tr>
<tr>
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<td>11</td>
<td>12.1%</td>
</tr>
<tr>
<td>Other</td>
<td>7</td>
<td>7.7%</td>
</tr>
</tbody>
</table>

Math 122 is one of the most difficult math classes I have ever taken

<table>
<thead>
<tr>
<th>Strongly Disagree:</th>
<th>6</th>
<th>6.6%</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>22</td>
<td>24.2%</td>
</tr>
<tr>
<td>3</td>
<td>21</td>
<td>23.1%</td>
</tr>
<tr>
<td>4</td>
<td>25</td>
<td>27.5%</td>
</tr>
<tr>
<td>Strongly Agree:</td>
<td>17</td>
<td>18.7%</td>
</tr>
</tbody>
</table>
Would any of the following would make SA more useful?

- Spend more time working on problems by myself: 23 (25.3%)
- Spend more time working in groups: 41 (45.1%)
- Have more tutors available to help: 34 (37.4%)
- Change the worksheets/types of problems we work on: 23 (25.3%)
- Other: 7 (7.7%)

What do you enjoy the most about S.A.?

- Working on problems by myself: 7 (7.7%)
- Working in groups: 19 (20.9%)
- Having a tutor available to help: 60 (65.9%)
- The worksheets/types of problems we work on: 4 (4.4%)
- Other: 1 (1.1%)

Attending S.A. has helped me do better in Math 122 than I would have done otherwise.

<table>
<thead>
<tr>
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<th>Strongly Agree</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>23</td>
</tr>
<tr>
<td>4</td>
<td>45</td>
</tr>
<tr>
<td>Strongly Agree</td>
<td>5</td>
</tr>
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</table>

If S.A. were not mandatory, I would still attend it.

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<td>20</td>
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The S.A. tutor has helped me understand Math 122 better.

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<tr>
<td>4</td>
<td>39</td>
</tr>
<tr>
<td>Strongly Agree</td>
<td>5</td>
</tr>
</tbody>
</table>
The most difficult topic in this class so far has been

- Finding limits: 9 (9.9%)
- The chain rule: 2 (2.2%)
- Inverse functions: 3 (3.3%)
- Related rates: 27 (29.7%)
- Finding max and mins: 1 (1.1%)
- Continuity: 1 (1.1%)
- Optimization: 48 (52.7%)