Learning Outcome: #3 Diagram the path of signal flow through a large format console, patch bay and associated components.

Assessment Question: Final Exam #13.
You have a lead vocal on track 15 and a backing vocal on track 16. You want the lead vocal track to sound more up front and present in comparison to the backing vocal track. For 5 points:
A. What type of signal processing would you apply and to what?
B. Explain how you would apply it using the patch bay in the picture below and the Neotek console we use in this class.

Pre-Assessment: Quiz question
Date: 8/23/12
<table>
<thead>
<tr>
<th># Students Assessed</th>
<th># Correct Answers</th>
<th>% Correct</th>
<th>Most Common Incorrect Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>2</td>
<td>9.5%</td>
<td>Student does not know technical pathway.</td>
</tr>
</tbody>
</table>

Post-Assessment: Final Exam
Date: 12/18/12
<table>
<thead>
<tr>
<th># Students Assessed</th>
<th># Correct Answers</th>
<th>% Correct</th>
<th>Most Common Incorrect Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>14</td>
<td>70%</td>
<td>Incomplete details of the total question. (Neotek console buttons not fully described)</td>
</tr>
</tbody>
</table>
Evaluation of Results:

10 students answered the question thoroughly and correctly. It’s a very detailed question worth 5 points as it requires the student to answer three distinctive parts: which audio processors to use for 1 point, diagram the pathway to complete the patching of the processors to the console via the patch bay in the picture provided worth 2 points, and finally to detail which buttons and potentiometers need to be engaged on the console in order for the signal flow to be monitored for 2 points.

10 students completed each part fully. 7 students missed one point by forgetting to push a button on the console for the compressor processor to be heard, but completed the rest of the question properly. 1 student missed all parts of the question and two missed everything but the processor choices.

- Processor choice had the best result with 19 of the 20 correctly answering.
- Patching the devices together via the patch bay to the console was correctly answered by 14 of the students. (This is the SLO.)
- Pushing the proper buttons and turning the correct potentiometers on the console was correctly answered by 14 of the students

The learning assessment (SLO):
Diagram the path of signal flow through a large format console, patch bay and associated components – correctly answered by 70% of the students.

Future remedies for better results:
1. Create a diagram of the signal path for the students to write out in several class exercises along with actually performing the task in the control room with the equipment in front of them.
2. Begin the process of patching and completing signal flow tasks from patch bay to console earlier in the semester. This will force a change in the syllabus with regard to topics and dates presented in the schedule.