A Preliminary Look at Using Peer Evaluation to Improve Awareness in Agriculture Courses

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Exits are located at the front, rear, and sides
You may experience some turbulence during your descent
Please remain on the ground until your body comes to a full stop
In the unlikely event of a water landing, your saddlepad may be used as a flotation device

Thank you for flying Air Equestrian
We hope you enjoy your trip!!
• Self-analysis is a valuable skill, but can be painful and difficult
• Students often struggle to evaluate themselves objectively
• Equitation students often fail to recognize poor riding or technique
  ❑ Overconfidence
  ❑ Underconfidence
  ❑ Incorrect training
  ❑ Bad habits
  ❑ Etc.
• How would the opinion of peers be received and accepted?
• Each student videoed at beginning, end of semester: walk, trot, lope
  - Evaluated as a class
• Historically, students have reported this is a beneficial experience
• Goal:
  - More responsible for their own improvement, increase engagement

• Involve students more in evaluation
Peer Evaluation

- Students showed significantly improved performance after peer assessment (Li & Gao, 2015)

- Evaluations of peers can be effective in improving skills, especially when provided with support instruments such as videos and rubrics (Murillo-Zamorano & Montanero, 2018)
• Spring 2018, assigned to peer groups
  □ View riding videos
  □ Meet, discuss observations
  □ Provide a written evaluation
• If we can get students in a mindset to be analytical/critical of themselves
  ▪ Give tools
  □ They can be their own best teacher
• Peer-evaluation process

- Students see benefit of both developing and receiving peer feedback (Simpson & Clifton, 2015)
Voluntary Survey developed to measure student perception of:

- Benefit of:
  - Evaluating others
  - Discussing riding with peers
  - Doing a written evaluation of others
- If it would help to write as a group
- If peer feedback was beneficial
• On the survey, but minor importance (for now)
  ▪ If the class was beneficial
  ▪ If the video was beneficial
  ▪ If they were uncomfortable, have others watch them
  ▪ How they would rate their own riding
• Likert-type scale given during final exam
  ▪ 5 response levels
    ▪ 1 = strongly disagree
    ▪ 5 = strongly agree

• 33 students surveyed (3 semesters)
<table>
<thead>
<tr>
<th>Survey Questions:</th>
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<tbody>
<tr>
<td>1</td>
<td>Horsemanship II has been a valuable learning experience for me</td>
</tr>
<tr>
<td>2</td>
<td>Seeing myself ride on video was beneficial to evaluate myself as a rider</td>
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<tr>
<td>3</td>
<td>It was uncomfortable watching myself ride with the entire class</td>
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<tr>
<td>4</td>
<td>Watching and discussing the first video as a class was beneficial to me</td>
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<tr>
<td>5</td>
<td>Evaluating other riders has helped me be more aware of my own riding</td>
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<tr>
<td>6</td>
<td>Discussing equitation with other class members has helped me better understand good riding</td>
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<td>7</td>
<td>Writing an evaluation of other class members has helped me better understand good riding</td>
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<tr>
<td>8</td>
<td>It would be of more help to me to do a written evaluation of other class members as a group, rather than write an evaluation individually</td>
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<tr>
<td>9</td>
<td>The feedback I got from my group about my own riding was beneficial to me</td>
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<tr>
<td>10</td>
<td>It was uncomfortable watching myself ride with my group</td>
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<tr>
<td>11</td>
<td>It was helpful to see a sample of my riding early in the semester, and then again at the end of the semester</td>
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<tr>
<td>12</td>
<td>Before taking this class I would rate my equitation as (5 very good, 1 poor)</td>
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<tr>
<td>13</td>
<td>After taking this class I would rate my equitation as (5 very good, 1 poor)</td>
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</tbody>
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• Results:
  - All students agreed, evaluating others increased awareness of own equitation
• Results (continued):
  - Ninety-two percent agreed that discussing was helpful
• Results (continued):
  - All students agreed that writing evaluation benefitted
• Results (continued):
  • All students agreed feedback from group was valuable
• Results (continued):
  - Only 33% wanted to do written evaluations as group
• Students engage, strengthen relationships, boost confidence, moral
• Better riders gain confidence by observing themselves more objectively and by helping weaker riders develop
• Weaker or less experienced riders develop through greater support and by realizing that everyone can improve
• Peer evaluation can increase understanding of equitation principles, practices
  □ Students felt they improved & developed
• Faculty can take advantage to reinforce principles included in instruction
Peer evaluation can be an effective tool to increase student understanding of applied principles and practices
- Written work
- Group projects
- Exams
Thank you!!