



## Method

Once the rubric was created, it was used for the first of four graded projects over the course of the semester. No other information was provided, in terms of the rubric, other than if the students had specific questions about their own scoring. No student indicated any reaction to the rubric, other than mentioning that they enjoyed having their comments typed out rather than hand written.

When the second project was graded, the same rubric was used, but the use of color was eliminated. Because the class was a lab, and the students typically feel very comfortable sharing in a lab setting, they immediately started commenting on the lack of color, and specifically asked that I return to the color version for the next project. And, without me specifically asking, they made additional comments about how with the color version, they could immediately tell where they needed to improve. For the third project, I returned to the colored version. The only comments made were those thanking me for printing in color.

When the due date for the final project arrived, I gave each student a print-out of the rubric and asked them to evaluate their own work, circling the score that they believed that they had earned based upon the written criteria. This self-assessment is a technique that I use every semester on the last project. The students typically tend to respond in one of two ways: 1) they score themselves higher than I would, frequently indicating that they worked very hard on the project so they are worthy of the higher grade, or 2) the students score themselves lower than I would. Few typically score the same as I. However, this time 17 of the 19 students scored themselves within 3 points of my final score.

## Implications

Although no two classes or cohort of students are ever the same, and the study was more of an etic approach than scientific, the results suggest that the color-coding of the rubric had a positive relationship with the students' self-assessment. In addition, the student's perception of the rubric was positive, and at least some students considered the color-coded rubric as helpful to their interpretation of the information presented.

To further test the effectiveness of the color-coded rubric, I will use it for additional courses, other than just design. In addition, a more scientific approach to testing of the rubric needs to be applied. However, based upon the results of my exploratory study, it is apparent that the color-coded rubric has merit in assisting students with understanding their own performance.

## References

- Panadero, E., & Jonsson, A. 2013. The use of scoring rubrics for formative assessment purposes revisited: A review. *Education Research Review*, 9, 129-144.
- Reddy, Y.M., & Andrade, H. 2010. "A review of rubric use in higher education." *Assessment & Evaluation in Higher Education*, 35(4), 435-448.
- Wiggins, G. 1998. *Educative Assessment*. San Francisco, CA: Jossey-Bass.
- Wu, J-H, & Yuan, Y. 2003. Improving searching and reading performance: The effect of highlighting and text color coding. *Information & Management*, 40(7), 617-637.