

learning. I also enjoyed the help sessions. "We absolutely love it."

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Acknowledgements

We acknowledge the generous contributions of faculty at CU, including Dr. S. DeAlwis, Dr. P. Beale, Dr. M. Betterton, Dr. T. DeGrand, Dr. O. DeWolfe, Dr. M. Dubson, Dr. N. Finkelstein, Dr. W. Ford, Dr. A. Hasenfratz, Dr. T. Munsat, Dr. S. Parker, Dr. K. Perkins, Dr. C. Rogers, and Dr. C. Wieman, as well as the contributions of two undergraduate Learning Assistants, Ward Handley and Darren Tarshis, and the entire PER group at CU. Special thanks to Karen Joy for assistance with the regression analysis.

This work is funded by The CU Science Education Initiative and NSF-CCLI Grant # 0737118.

- Q4: Ampere's Law
- Q5: Direct integration (midterm)

Results & Conclusions

An upper-division E&M course was transformed using principles of active engagement and learning theory. Students in the transformed course performed better on both traditional and conceptual assessments. We cannot yet differentiate between the effects of pedagogy and increased student contact with the material (through higher attendance and additional help sessions).