

# How Students Can Help Us Teach Better: Moving Beyond Student Ratings

ACS Webinar, July 13, 2023

## Join the national dialogue on evaluating teaching effectiveness

Association of American Universities, [Teaching Evaluation](#), accessed 2023-07-11.

[Transforming Higher Education Multidimensional Evaluation of Teaching \(TEval\)](#), accessed 2023-07-11.

National Academies of Sciences, Engineering, and Medicine. [National Dialogue on Transforming STEM Teaching Evaluation in Higher Education](#), accessed 2023-07-11.

Publication from 2019 [Recognition and Evaluation of Teaching in Higher Education: A Workshop](#)

National Academies of Sciences, Engineering, and Medicine. [Recognizing and Evaluating Science Teaching in Higher Education: Proceedings of a Workshop—in Brief](#). Washington, DC: The National Academies Press. 2020. doi: 10.17226/25685.

Publication from 2016 workshop *Implementing Effective Evaluation of Teaching and Learning in STEM*

Association of American Universities and Research Corporation for Science Advancement. [Aligning Practices to Policies: Changing the Culture to Recognize and Reward Teaching at Research Universities](#), 2017.

Publications from 2014 workshop *Effective Evaluation of Teaching and Learning*

Research Corporation for Science Advancement. [Searching for Better Approaches: Effective Evaluation of Teaching and Learning in STEM](#), 2015.

Bradforth, S. E., Miller, E. R., Dichtel, W. R., Leibovich, A. K., Feig, A. L., Martin, J. D., Bjorkman, K. S., Schultz, Z. D., Smith, T. L. [University Learning: Improve Undergraduate Science Education](#), *Nature*, **2015**, 523, 282-284. doi:10.1038/523282a

## Refer to research and recommendations on student evaluations of teaching

American Sociological Association. [Statement on Student Evaluations of Teaching](#), 2019, accessed 2023-07-11.

Boring, A. [Gender Biases in Student Evaluations of Teaching](#), *Journal of Public Economics*, **2017**, 145, 27-41. doi: 10.1016/j.jpubeco.2016.11.006

Curtis, J. W. "[Persistent Inequity: Gender and Academic Employment](#)," American Association of University Professors, 2011.

Kreitzer, R.J., Sweet-Cushman, J. [Evaluating Student Evaluations of Teaching: a Review of Measurement and Equity Bias in SETs and Recommendations for Ethical Reform](#), *Journal of Academic Ethics* **2022**, 20, 73–84. doi: 10.1007/s10805-021-09400-w

MacNell, L., Driscoll, A., and Hunt, A. N. [What's in a Name: Exposing Gender Bias in Student Ratings of Teaching](#), *Innovative Higher Education* **2015**, 40(4), 291–303. doi: 10.1007/s10755-014-9313-4

Miller, J., and Chamberlin, M. [Women Are Teachers, Men are Professors: A Study of Student Perceptions](#), *Teaching Sociology* **2000**, 28 (4): 283–98. doi : 10.2307/1318580

*These resources are provided for informational use only. Inclusion on this list does **not** constitute an endorsement by ACS.*

Reid, L. D. [The Role of Perceived Race and Gender in the Evaluation of College Teaching on RateMyProfessors.Com](#), *Journal of Diversity in Higher Education*, **2010**, 3(3), 137–152. doi: 10.1037/a0019865

Uttl, B., White, C. A., Gonzalez, D. W. [Meta-analysis of Faculty's Teaching Effectiveness: Student Evaluation of Teaching Ratings and Student Learning are not Related](#), *Studies in Educational Evaluation*, **2017**, 54, 22–42. doi: 10.1016/j.stueduc.2016.08.007

## Change approaches for obtaining student feedback

[Accelerating Systemic Change Network](#) (ASCN), accessed 2023-07-11.

Association of American Universities, [Undergraduate STEM Education Initiative](#), accessed 2023-07-11.

Brighthouse, H. [Becoming a Better College Teacher \(If You're Lucky\)](#), *Daedalus*, Fall 2019, 148(4). doi: 10.1162/DAED\_a\_01758

The University of Arizona, [Student Course Surveys: Reflect & Improve](#), accessed 2023-07-11.

## Learn more about learning

National Research Council. [How People Learn: Brain, Mind, Experience, and School: Expanded edition](#). Washington, DC: The National Academies Press, 2000. doi: 10.17226/9853.

National Academies of Sciences, Engineering, and Medicine. [How People Learn II: Learners, Contexts, and Cultures](#). Washington, DC: The National Academies Press, 2018. doi: 10.17226/24783.

## Leverage ACS resources

[ACS Division of Chemical Education](#), accessed 2023-07-11.

[ACS Science Education Policy statement](#), accessed 2023-07-11.

[ACS Standards & Guidelines for Chemistry Education](#), accessed 2023-07-11.

[Journal of Chemical Education](#), accessed 2023-07-11.

[New Faculty Workshop Participant Teaching Resources](#), accessed 2023-07-11.

[Society Committee on Education](#), accessed 2023-07-11.