

# Standards-Based Grading

- Students are provided with a clear list of learning objectives (or “standards”).
- Assignments are marked based on students’ demonstrated levels of proficiency on each of the relevant standards.
- Course grades are primarily based on how many of these standards students demonstrate their learning on over the course of the semester.
- Students are given many chances to demonstrate their learning.

## Disciplinary Syllabus Repositories

- Biology <https://drive.google.com/drive/folders/1h92dynFe6Uiqr0gR0daBehdZTiQEoLaD>
- Chemistry <https://bit.ly/3xhlAUQ>
- Mathematics <https://drive.google.com/drive/folders/1GNSqf0b0LZS6BeAuc1tqPDZWkKPk11KT>
- Physics <http://bit.ly/PhysicsMBGRepository>

## Example courses

Introduction to Molecular and Cellular Biology	Syllabus	with Standards
General Chemistry	Syllabus	Standards
Linear Algebra	Syllabus	Standards
Physics C: Waves, Optics & Modern Physics	Syllabus	Standards

## Additional Resources

The Grading Conference, June 13–15, 2024 (virtual). <https://www.thegradingconference.com/>.  
Alternative Grading Slack Channel <http://alternativegrading.slack.com>.

### Publications

- Beatty, Ian. (2013). Standards-based grading in introductory university physics. *Journal of the Scholarship of Teaching and Learning*, 13(2), 1–22.  
<https://scholarworks.iu.edu/journals/index.php/josotl/article/view/3264>
- Boesdorfer, Sarah B., Baldwin, Emilee, & Lieberum, Kyle A. (2018). Emphasizing Learning: Using Standards-Based Grading in a Large Nonmajors’ General Chemistry Survey Course. *Journal of Chemical Education*, 95(8), 1291–1300. <https://doi.org/10.1021/acs.jchemed.8b00251>
- Campbell, Robert, Clark, David, & O’Shaughnessy, Jessica (2020). Introduction to the Special Issue on Implementing Mastery Grading in the Undergraduate Mathematics Classroom. *PRIMUS*, 30(8–10), 837–848. <https://doi.org/10.1080/10511970.2020.1778824>.
- Clark, David & Talbert, Robert (2023). *Grading for Growth*. Routledge.  
<https://doi.org/10.4324/9781003445043>
- Owens, Kate (2015). A Beginner’s Guide to Standards-Based Grading. *AMS Blog on Teaching and Learning Mathematics*. <https://blogs.ams.org/matheducation/2015/11/20/a-beginners-guide-to-standards-based-grading/>.