Reading for Chemistry 8541
“Dynamics”
Fall Semester 2022

Instructor: Donald G. Truhlar

Textbook:

*Modern Classical Mechanics*
by T. M. Helliwell and V. V. Sahakian
Cambridge University Press, 2021
doi.org/10.1017/9781108874687

Other reading, the classics:

"Methods of Theoretical Physics," P. M. Morse and H. Feshbach; McGraw-Hill, New York, 1953. (two volumes) (not as broad coverage as the other books)


“Classical Mechanics,” 3rd edition, H. Goldstein, C. Poole, J. Safko; Addison Wesley, San Francisco, 2002. Older editions are just as good; the 2nd edition may even be better.


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Other recommended textbooks for supplemental reading:

*Dynamics*


Mathematics


