

CHEN/MSEN 5370-001 Intermediate Thermodynamics
Fall 2020
M/W/F 8:30–9:20 AM

Professor: Dan Schwartz
JSCBB D124
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Office Hours: TBA

TAs: Lenny Fobe (theodore.fobe@colorado.edu)
Office hours: TBD

Required text: *Molecular Driving Forces*, Dill and Bromberg, 2nd Edition

Also Required: MATLAB programming
(see <https://oit.colorado.edu/software-hardware/software-downloads-and-licensing/matlab>)

Other useful texts: *Fundamentals of Statistical and Thermal Physics*, Reif
Thermodynamics and an Introduction to Thermostatistics, Callen
Statistical Mechanics, McQuarrie
Thermal Physics, Kittel
Mathematics for Physical Chemistry, Mortimer

Grading: The final grade will be based on a combination of problem sets, a midterm, and a final exam. The breakdown is

Problem sets: 3/9
Midterm Exam: 2/9
Final Exam: 4/9

Problem sets will NOT be considered for students with failing overall exam grades (~50%).

Schedule: Midterm Exam, Thursday October 8 (tentative)
Final Exam, TBA

Policies:

Homework: You may consult with each other on homework, but you must turn in your own work. *Do NOT copy someone else's work. Do not share written materials, electronic files, computer code, etc.*

Honor Code: All students of the University of Colorado at Boulder are responsible for knowing and adhering to the academic integrity policy of this institution. Violations of this policy may include: cheating, plagiarism, aid of academic dishonesty, fabrication, lying, bribery, and threatening behavior. All incidents of academic misconduct shall be reported to the Honor Code Council. Students who are found to be in violation of the academic integrity policy will be subject to both academic sanctions from the faculty member (a minimum sanction will be a lowered final grade) and non-academic sanctions (including but not limited to university probation, suspension, or expulsion). Other information on the Honor Code can be found at www.colorado.edu/policies/honor.html and at www.colorado.edu/academics/honorcode/.