Case Study

- Printed copy of Excel sheet and accompanying explanation of equations
- Email spreadsheet to Allen Black
  - allen.m.black@gmail.com
- Email the leadership evaluation to me
  - If email only, put name in subject box
  - If MS Word, put name in name of file

AWARDS!!!

- Damon Petersen
- Thomas Webber
- Landon Schofield
- Clarissa Westover
- Joshua Frei

Thank you TAs!

Matt Johnson
Spencer Ottley
Allen Black
Payden Yates

ABET Survey

- Please take the survey at:
  http://goo.gl/forms/Q4WuDZd8AD

Final Exam

- 221 MARB
- Tuesday, Apr 19, 7-10 am
  - Closed Book, Closed Notes/Homework
  - Two 8x10 pages with notes on both sides
  - I am not supplying equations
  - I am supplying data (C_p's, \Delta H_f^\circ, etc.)
  - Calculator needed
  - Straight edge needed
  - Time limit is 3 hours
  - Aligned with competencies!!
  - Somewhat aligned with what was missed on previous exams

Grades

- High score on final exam gets an A in the class
  - Not usually the highest cumulative score in the class!
- Must get 60% on the final exam to pass the class!
  - Better to find out now rather than next year if you need to seek a different major
Grades

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Ways to Prepare for Final Exam

- Get some SLEEP!
- Bring a snack
- Rework previous exams
  - What did you miss?
  - COMPETENCIES!
    - Do you really know this stuff?
    - If not, come see me!!!

Terms

- Adiabatic, isothermal, isentropic, etc.
- SCFM, SLPM, etc.
- Path method vs. $\Delta H_f$ method
- $\Delta H_f^P$ vs $\Delta H_f$
- $Q$, $W_s$, $\Delta E_p$, $\Delta E_k$
- Mechanical Energy Balance (Bernoulli)
- Transient balances
- Manometers, pressure head
- Gauge vs. absolute pressure

Psychrometric Chart

Refrigerant 22 P-H diagram