

<b>HEAT &amp; THERMODYNAMICS</b>
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- Instructor:** Alexander Wagner  
South Engineering 210  
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- Meetings:** 11:00-12:30 Wednesday & Friday, South Engineering 212C
- Text:** Herbert B. Callen,  
*Thermodynamics and an Introduction to Thermostatistics*  
Second Edition (John Wiley & sons)
- Topics:** Basic Postulates of Thermodynamics  
Conditions of Equilibrium  
Mixtures of Ideal Gases  
The ideal van der Waals Fluid  
Reversible Processes  
Legendre Transformations  
The Extremum Principle  
First Order Phase Transitions  
Critical Phenomena
- Grading:** Problem sets (50%)  
Final Exam (50%)

*Any students with disabilities who need accomodation in this course are encouraged to speak with the instructor as soon as possible to make appropriate arrangements.*