

Heat Transfer Labs Spring 2026

Classes Tuesday 1-2:50, 3-4:50

Lab #	Week of	Lab Description	Report Format
	Jan 18 2026	Discussion of Lab Reports and Lab Safety	
1	Jan 25 2026	Thermal Conductivity of Brass Cylinder H111A/H112A	
2	Feb 1 2026	Determination of the Thermal Conductivity of Aluminum/Stainless Steel Stacked in a Cylinder without Thermocouples 4 & 5 H111A/H112A	
3	Feb 8 2026	Determination of the Thermal Conductivity of Brass Stacked in a Cylinder with Thermocouples 4 & 5 H111A/H112A	
4	Feb 15 2026	No Lab	
5	Feb 22 2026	Determination of the Total Thermal Resistance of a Composite Wall H111A/H112A	
6	Mar 1 2026	Determination of the Thermal Conductivity K of a Thick Walled Cylinder H111B/H112B	
	Mar 8 2026	No Lab Spring Break	
7	Mar 15 2026	Determination of the Combined Radiation and Convection Heat Transfer Coefficients H111D/H112D without Fan Blower	
8	Mar 22 2026	Determination of the Effect of Forced Convection on the Heat Transfer from a Cylinder at Varying Air Velocities H111D/H112D with Fan Blower	
	Mar 29 2026	No Lab	
9	Apr 5 2026	Radiation Errors in Temperature Measurements H111F/H112F	
10	Apr 12 2026	Temperature Distribution Along an Extended Cylindrical Fin H111E/H112E	
11	Apr 19 2026	The Inverse Square Law of Radiation H111C/H112C	
12	Apr 26 2026	Sterling Engine	
	May 3 2026	Make-up Labs	
	May 10 2026	Finals Week	