

Heat Transfer Labs Spring 2025

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

Lab #	Week of	Lab Description	Report Format
N/A	Jan 19 2025	Discussion of Lab Reports and Lab Safety	No Report
1	Jan 26 2026	Thermal Conductivity of Brass Cylinder H111A/H112A	Report
2	Feb 2 2025	Determination of the Thermal Conductivity of Aluminum/Stainless Steel Stacked in a Cylinder without Thermocouples 4 & 5 H111A/H112A	Report
3	Feb 9 2025	Determination of the Thermal Conductivity of Brass Stacked in a Cylinder with Thermocouples 4 & 5 H111A/H112A	Report
4	Feb 16 2025	Determination of the Thermal Conductivity K of a Thick Walled Cylinder H111B/H112B	Report
5	Feb 23 2025	Determination of the Total Thermal Resistance of a Composite Wall H111A/H112A	Report
6	Mar 2 2025	Determination of the Combined Radiation and Convection Heat Transfer Coefficients H111D/H112D without Fan Blower	Report
N/A	Mar 9 2025	No Lab Spring Break	N/A
7	Mar 16 2025	Determination of the Effect of Forced Convection on the Heat Transfer from a Cylinder at Varying Air Velocities H111D/H112D with Fan Blower	Report
8	Mar 23 2025	Radiation Errors in Temperature Measurements H111F/H112F	Report
9	Mar 30 2025	Temperature Distribution Along an Extended Cylindrical Fin H111E/H112E	Report
10	Apr 6 2025	The Inverse Square Law of Radiation H111C/H112C	Report
	Apr 13 2025	No Lab	N/A
11	Apr 20 2025	Determination of the Efficiencies of a Concentric Tube Heat Exchanger	Report
N/A	Apr 27 2025	Make-up Labs	Report
N/A	May 4 2025	No Lab	N/A
N/A	May 11 2025	Finals Week	N/A