

## **Engr 523: Engineering Thermal Management Mechanical Engineering**

Review of thermodynamics and fluid mechanics, steady-state conduction and convection heat transfer, transient conduction heat transfer - lumped capacitance and semi-infinite methods, boiling and condensation heat transfer, fin and heat sink analysis and optimization, heat pipe and heat exchanger analyses, and advanced thermal management techniques. 3 Credits

## **Prerequisites**

• Prerequisite: Engr 321 and Engr 323 or Graduate Standing

## Instruction Type(s)

• Lecture: Lecture for Engr 523

## **Subject Areas**

• Mechanical Engineering

about the accreditation.