



**Mechanical Engineering**  
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ME 272 (JAN) 3:0

## Thermal Management of Electronics

**Instructor(s):** Amrit Ambirajan, Pradip Dutta

**Course description:**

Introduction to thermal management of various systems, basic heat transfer, interface/contact heat transfer, fans, pumps, heat sinks, air cooling, heat pipes, vapour chambers, thermosyphons, pumped fluid loops (single and two-phase), phase change material energy storage, advanced methods, modelling

**Prerequisites:**

Undergraduate heat transfer, thermodynamics and fluid mechanics

**Resources:**

**Outcomes:**

**Additional information:**

**Course website:**