

MECH 650. FUNDAMENTALS OF HEAT TRANSFER.

Credits: 4

Offered by: Mechanical Engineering (Graduate Studies)

This course is not offered this catalogue year.

Description

Heat conduction: analytical solutions; integral solutions; solid-liquid phase-change. Forced and natural convection: nondimensionalization; boundary layer theory; design correlations for external and internal flows; basic ideas of turbulence modelling. Mixed convection. Boiling and condensation. Radiation heat transfer: basic concepts; black-body enclosure theory; gray-body enclosure theory; participating media.

- Evening course

Most students use Visual Schedule Builder (VSB) to organize their schedules. VSB helps you plan class schedules, travel time, and more.

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