

CIVE 290. THERMODYNAMICS AND HEAT TRANSFER.

Credits: 3

Offered by: Civil Engineering (Faculty of Engineering)

This course is not offered this catalogue year.

Description

Macroscopic vs. microscopic viewpoint; states and processes; energy conservation and transformation; phase equilibrium; equations of state; thermodynamic properties; work and heat interactions; First Law of thermodynamics and applications; internal energy; enthalpy; specific heat; Second Law of thermodynamics; entropy; humidity and air-conditioning processes; introduction to heat transfer and renewable energy.

• (3-2-4)

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