

EMET 250 Transport Phenomena & Design

2 Cr. (Hrs.:2 Lec.)

Momentum and heat transfer principles are covered with illustrations and problem solving to metallurgical processes. Momentum transfer topics include laminar flow, turbulent flow, and kinetic/potential energy equations. Heat transfer topics include conduction, convection, and radiation under steady-state and transient conditions. Design projects will be assigned to groups for solving engineering problems. **Prerequisites:** M 171 and PHSX 235. (2nd)