

MECH6373 - Convective Heat Transfer

[MECH 6373](#) Convective Heat Transfer (3 semester credit hours) The course begins by reviewing the equations of motion of viscous fluids. Energy equation that governs the heat transfer across a fluid layer is introduced. Discussion of exact and approximate solutions of forced and free convection is an integral part of the course. Laminar and turbulent flow regimes will be covered with discussions of turbulent transport and modeling. (3-0) Y