

MECH7393 - Advanced Mathematics for Mechanical Engineers II

[MECH 7393](#) Advanced Mathematics for Mechanical Engineers II (3 semester credit hours) Special functions, complex functions, complex integrals, conformal mapping, Fourier series, Fourier and Laplace transforms, systems of nonlinear equations, closed form and numerical solutions of partial differential equations. Prerequisites: PhD students or department consent required. (3-0) R