Spring 2022
Mechanical & Materials Engineering Elective and Grad Offerings
(subject to change)
(Design electives in bold)

400/800 Elective Courses

MATL 473/873 (T,S) Corrosion - Cui
MATL 492/892 (T,S) Soft Materials - Tan
MATL 492/892 (T,S) Intro to Quantum Materials - Laraoui
**MECH 407/807 (D,T,S) Power Plant Systems Design** - Zhang
MECH 416/816 (T,S) Engineering Acoustics - Moore
**MECH 437/837 (D,T,S) Introduction to Biomedical Device Design** - Nelson
MECH 449/849 (T,S) Advanced Dynamics - Grover
MECH 451/851 (T,S) Intro to Finite Element Analysis - Bobaru
**MECH 457/857 (D,T,S) Mechatronic Systems Design** – R. Yang
MECH 472/872 (T,S) Additive Manufacturing - Rao
MECH 475/875 (T,S) Introduction to Mechanical Vibrations - Turner
**MECH 492/892 (D,S) Making for Innovation** – Farritor
MECH 492/892 (T,S) Manufacturing Engineering I - Rajurkar
MECH 492/892 (T,S) Biofabrication - Meng

Grad Only

MECH 812 Viscous Flow II - Park
MECH 888 Nonlinear Optimization in Engineering - Bobaru
MECH 923 Convection Heat Transfer - Zhang
MECH 925 Manufacturing & Dynamic Systems Modeling – Rajurkar
MECH 933 Theory of Elasticity I – J. Yang
MECH 942 Theory of Plasticity - Negahban