Spring 2020
Mechanical & Materials Engineering Elective and Grad Offerings
(subject to change)
(Design electives in bold)

400/800 Elective Courses
MATL 473/873 Corrosion
MATL 498/898 Soft Materials
**MECH 406/806 Air Conditioning Systems Design**
MECH 416/816 Engineering Acoustics
MECH 422/822 Industrial Quality Control
MECH 428/828 Analysis of Thermal Data
MECH 431/831 Computational Heat Transfer and Fluid Flow
MECH 449/849 Advanced Dynamics
MECH 451/851 Introduction to Finite Element Analysis
**MECH 457/857 Mechatronic Systems Design**
MECH 475/875 Introduction to Mechanical Vibrations
MECH 491/891 Exp. Mechanics of Composites
MECH 498 Computer Programming/Software
**MECH 498/898 Making for Innovation**
MECH 498/898 Advanced Biomaterials
MECH 498/898 Additive Manufacturing

Grad Only
MATL 996 Advanced Electron Microscopy
MECH 810 Viscous Flow I
MECH 888 Nonlinear Optimization in Engineering
MECH 925 Manufacturing & Dynamic Systems Modeling
MECH 933 Theory of Elasticity I
MECH 939 Viscoelasticity
MECH 996 Comp Fluids