# Schedule of Classes – Fall 2024 (updated 6/20/2024)

## Advanced Energy Technology
- Mech Eng 249 (3 units) – Machine Learning Tools (Python)
- Mech Eng 254 (3 units) - Thermodynamics
- Mech Eng 272 (3 units) – Wildland Fires: Science and Applications

## Aerospace Engineering
- Mech Eng C231A / El Eng C220B (3 units) - Experiential Advanced Control Design I
- Mech Eng C232 / El Eng C220A (3 units) - Advanced Control Systems I
- Mech Eng 236U (3 unit) – Dynamics and Control of Autonomous Flight
- Mech Eng 260A (3 units) – Advanced Fluid Mechanics
- Mech Eng 280A (3 units) – Introduction to Finite Elements
- Mech Eng 287 (3 units) – Graduate Introduction to Continuum Mechanics
- Mech Eng 292I (3 units) – Introduction to Flight Mechanics

## BioMechanics
- Mech Eng C210 (4 units) – Advanced Orthopedic Biomechanics
- Mech Eng C215 (4 units) – Advanced Structural Aspects of Biomaterials (ONLINE)
- Mech Eng 226L (4 units) – The Science and Engineering of Cooking
- Mech Eng 239 (4 units) – Robotic Locomotion
- Mech Eng C278 (4 units) – Advanced Designing for the Human Body
- Mech Eng 287 (3 units) – Graduate Introduction to Continuum Mechanics
Control of Robotic and Autonomous Systems (Formerly Experimental Advanced Control Systems Design)
• Mech Eng 206A/EECS C206A (4 units) – Introduction to Robotics  *206B not offered in S25
• Mech Eng C231A / El Eng C220B (3 units)- Experiential Advanced Control Design I
• Mech Eng C232 / El Eng C220A (3 units) - Advanced Control Systems I
• Mech Eng 236U (3 units) – Dynamics and Control of Autonomous Flight
• Mech Eng 276DS – (4 units) – Statistics and Data Science for Engineers (NEW)
• Mech Eng 292B (Mehr) – (3 units) - Modeling and Control of Multi-Agent Systems

Fluids and Ocean
• Mech Eng 242 (3 units) – Ocean-Environment Fluid Mechanics
• Mech Eng 245 (3 units) – Oceanic and Atmospheric Waves
• Mech Eng 260A (3 units) – Advanced Fluid Mechanics

MEMS/Nano
• Mech Eng 219 (3 units)- Introduction to Microelectromechanical Systems
• Mech Eng C231A / El Eng C220B (3 units)- Experiential Advanced Control Design I
• Mech Eng 280A (3 units) - Introduction to the Finite Element Method

Mechanics and Dynamics
• Mech Eng 236U (3 units) – Dynamics and Control of Autonomous Flight
• Mech Eng 280A (3 units) - Introduction to the Finite Element Method
• Mech Eng 287 (3 units) – Graduate Introduction to Continuum Mechanics
Modeling and Simulation of Advanced Manufacturing Processes
• Mech Eng C201 (3 units) – Modeling and Simulation of Advanced Manufacturing Processes
• Mech Eng 226 (3 units)- Tribology
• Mech Eng C231A / El Eng C220B (3 units)- Experiential Advanced Control Design I
• Mech Eng 280A (3 units) - Introduction to the Finite Element Method

Product Design
• Mech Eng 226L (4 units) – The Science and Engineering of Cooking
• Mech Eng C231A / El Eng C220B (3 units)- Experiential Advanced Control Design I
• Mech Eng 239 (4 units) – Robotic Locomotion
• Mech Eng C278 (4 units) – Advanced Designing for the Human Body

Sports Engineering
• Mech Eng C201 (3 units) – Modeling and Simulation of Advanced Manufacturing Processes
• Mech Eng C210 (4 units) – Advanced Orthopedic Biomechanics
• Mech Eng C231A / El Eng C220B (3 units)- Experiential Advanced Control Design I
• Mech Eng 239 (4 units) – Robotic Locomotion
• Mech Eng 249 (3 units) – Machine Learning Tools (Python)
• Mech Eng 260A (3 units) – Advanced Fluid Mechanics
• Mech Eng C278 (4 units) – Advanced Designing for the Human Body
• Mech Eng 280A (3 units) - Introduction to the Finite Element Method
• Mech Eng 287 (3 units) – Graduate Introduction to Continuum Mechanics