ME 561 Control Systems
Instructor: Said Ahmed
Time and frequency domain analysis and design of feedback systems using classical and state space methods. Observability, controllability, pole placement, and observers. May be taken for ECE or ME credit, but not both. PREREQ: ECE 360 or ME 360.

ME 571 Parallel Scientific Computing
Instructor: Donna Calhoun
Introduction to parallel scientific and technical computing on supercomputers and modern graphics processing units. Finite difference methods to solve partial differential equations governing heat conduction and wave propagation. Scientific visualization of simulation data. Performance optimization of scientific codes. Course projects involve parallel computer programming of prototype problems. PREREQ: CS 117, MATH 333, or PERM/INST.

ME 597-002 HVAC Systems
Instructor: Ralph Budwig
Application of thermodynamics, heat transfer, and fluid flow to understanding the psychrometric performance of systems and equipment; evaluating the performance characteristics, advantages, and disadvantages of the various types of HVAC systems including large tonnage refrigeration/chiller equipment, cooling coils, cooling towers, ducts, fans, and heat pump systems; economics of system and equipment selection. PREREQ: ME 320

The first day of class is Thursday, January 14th. It will be held in Room 248A on the second floor of the Idaho Water Center.

For more information on a graduate degree with the Mechanical and Biomedical Engineering Department, contact Dr. John Gardner, Graduate Program Coordinator, at 208-426-5702 or mbegradapps@boisestate.edu

STEM professionals interested in supplementing, broadening, and enhancing their technical expertise, but who are not in a position to commit to a particular graduate program, are encouraged to apply to the Graduate College as a non-degree-seeking graduate student. Upon meeting eligibility requirements, non-degree-seeking graduate students may take courses that align to their interests.