XE 475 is a comprehensive introductory course in the field of mechatronics. Mechatronics is the crossroads in engineering where mechanical engineering, electrical engineering, computer science, and controls engineering meet to create new and exciting real-world systems. Knowledge of mechanical and electrical components, controls theory, and design are integrated to solve actual physical design applications.

**Lessons:** 42 @ 55 min (2.500 Att/wk)  
**Labs:** 5 @ 120 min

**Special Requirements:** The completion of an out-of-class project requiring the equivalent of 0.5 credit hour of student effort.

**Corequisite(s):** XE472