MECH 2340 Circuits and Applied Electronics (3 semester credit hours) The purpose of this course is to give students a general understanding of basic concepts in electronics geared specifically toward application. Course topics include: circuit components and theory (resistors, capacitors, inductors, component networks), power concepts (AC, DC, single and 3-phase), basic microelectronics (semiconductors, diodes, transistors, op-amps, amplifiers), and digital design (number systems, logic circuits, common ICs). This course includes a laboratory component and team-based final project. Prerequisites: MATH 2420 and PHYS 2326 and MECH 1208. (2-3) Y