COURSE DESCRIPTIONS BY COURSE DISCIPLINE PREFIX

BMT BIOMEDICAL EQUIPMENT

BMT-111 Intro to Biomed Field 2 (2-0) Spring
Prerequisites: None
Corequisites: None
This course introduces the fundamental concepts of the health care delivery system. Topics include hospital organization and structure, BMET duties and responsibilities, and the professional and social interrelationships between services. Upon completion, students should be able to demonstrate an understanding of hospital organization as related to BMET duties.(2011 SU)

BMT-212 BMET Instrumentation I 6 (3-6) Summer
Prerequisites: None
Corequisites: None
This course covers theory of operation, circuit analysis, troubleshooting techniques, and medical applications for a variety of instruments and devices. Topics include electrodes, transducers, instrumentation amplifiers, electrocardiographs, monitors, recorders, defibrillators, ESU units, and related equipment used in clinical laboratories, intensive care units, and research facilities. Upon completion, students should be able to calibrate, troubleshoot, repair, and certify that instrumentation meets manufacturer's original specifications.(2008 SP)