

# BMEN6392 - Bioinstrumentation and Systems

[BMEN 6392](#) Bioinstrumentation and Systems (3 semester credit hours) Introduction to bioinstrumentation, biomedical signal acquisition, isolation, amplification, and conditioning, biopotential electrodes and amplifiers for ECG, EEG, ENG and EMG. Vascular system dynamics. Transmission and propagation of EM and RF signals around tissue. Biomedical applications. Prerequisite: [BMEN 6385](#). (3-0) Y