BMEN 3350 - Biomedical Component and System Design

BMEN 3350 Biomedical Component and System Design (3 semester credit hours) Fundamental knowledge behind design of biomedical systems. Design and implementation of biomedical signal processing, modeling and simulation for biomedical systems. Circuit and system design method for implantable devices. Software and hardware infrastructure for biomedical applications. Computer-aided techniques for analyzing sampled data. It is recommended that students take BMEN 3150 with this course. Prerequisite: BMEN 3320. Prerequisite or Corequisite: EE 3302. (3-0) Y