

# BMEN3380 - Medical Imaging Systems and Methods

[BMEN 3380](#) Medical Imaging Systems and Methods (3 semester credit hours) In this course, the fundamental physical principals of modern medical imaging techniques will be covered, including x-ray, ultrasound, MRI, optical, and nuclear imaging. Emphasis will also be placed on imaging contrast agents, image processing, and multi-modality imaging. Prerequisite: [EE 3302](#) or [BMEN 3402](#). (3-0) R