ECE 6786 ---- Medical Imaging Systems
Summer semester, 2016

Instructor  Dr. Lei Zhu,
Boggs 3-85
Tel: 404-385-3882
email: leizhu@gatech.edu

Objectives  To acquaint graduate students in medical physics or related majors with the most commonly used imaging modalities: x-ray, computed tomography, nuclear medicine, ultrasound and MRI. To provide imaging system analysis in terms of impulse response, spatial resolution, detection sensitivity, noise, and potential for improved diagnosis.

Lectures  Mon, Wed, 1:00-3:00 PM.

Office hours  By appointments.

Textbook  None.

Reference  Medical Imaging Systems, (Macovski)
Medical Imaging Signals and Systems, (Prince and Links).

Grading policy  Exam I (x-ray and nuclear medicine)  50%
Exam II (ultrasound and magnetic resonance imaging)  50%
total  100%

Homeworks  A few homework problems will be distributed throughout the semester, but will not be graded.