ELEN 410
Introduction to Medical Imaging

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Highlights

• Three-credit undergraduate course listed under:
  • biomedical imaging and genomic signal processing
  • communication, control and signal processing
  • electrophysics

• MWF 10:20AM-11:10AM ZACH 223C

• Website:  http://www.ece.tamu.edu/~jimji/teaching-main.htm

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• TA: Shuo Feng,  4:00-5:30PM Wednesday,  236C WERC
Topics

• **Modalities**
  - magnetic resonance imaging (MRI)
  - x-ray computer tomography (CT)
  - ultrasound
  - optical imaging
  - nuclear medicine (PET)

• Focus on the engineering principles and basic physics, and signal/image formation

• Examples in clinical applications
The 21st century would be the biomedical century just as the 20th century had been the century of physics, electronics, and computers.
-- Elias Zerhouni, NIH Director

A career in radiologic technology offers a promising future, job stability and good salaries. As technology advances and the population ages, ....

The country needs a growing number of qualified professionals to provide medical imaging and radiation therapy.
-- Excerpt from monster.com