

## ***Medical Imaging Research Laboratory***

Updated 9/06

<b>Location</b>	Howell Science Complex, Room 114
<b>Established</b>	July, 1990
<b>Website</b>	<a href="http://physics.physics.ecu.edu">http://physics.physics.ecu.edu</a>
<b>Mailing address</b>	Department of Physics Greenville, NC 27858-4353
<b>Contact(s)</b>	Dr. Xin-Hua Hu                      252-328-6476 hux@.ecu.edu Mr. Ken Jacobs
<b>Purpose</b>	Training of medical physics (M.S.) students and biomedical physics (Ph.D.) students in medical imaging.
<b>Capabilities</b>	Measurement of half-value layer of different materials, imaging of various phantoms with X-ray and mammography equipment and determination of MTF of imaging systems.
<b>Instrumentation:</b>	Mammography machine - Transworld MAM-CP KG Kalliscop n2 C-Arm Fluro - Koch & Sterzel 100 Laser film digitizer - Lumiscan Medical film processor - Konica QX-70 Ultrasound imager - AGFA SCOPIX 100 Beam analyzer - Victoreen 6000M Survey meter - Biron RSO-50 Focal spot camera - Nuclear Associates Roeck 07616 Miniscan system - Nuclear Associates Ion Chamber, Exposure Meters - Numerous Phantom Kits

