

Location	Howell Science Complex, Room C205L/206L, Room N214, N104, Room E114	
Established	February, 1996	
Website	http://bmlaser.physics.ecu.edu	
Mailing address	Department of Physics Greenville, NC 27858-4353	
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Purpose	Training of medical physics (M.S.) students and biomedical physics (Ph.D.) students in biomedical physics research.	
Capabilities	Spectroscopy and spatial distribution measurement of light interacting with biological tissues and cells from UV to infrared, tissue ablation and laser surgery research, measurement of half-value layer of different materials and various phantoms with x-ray, mammography equipment and determination of MTF of imaging systems.	
Instrumentation:	Nd:YAG lasers, diode lasers, N ₂ and dye lasers CCD and high resolution spectrometers and integrating spheres Boxcar, lock-in amplifiers and A-O dual modulators 500MHz digital oscilloscope and other oscilloscopes Parallel computing network with 32 PC and a dual-processor server connected by 100T hubs Mammography machine - Transworld MAM-CP Medical film processor - Konica QX-70 Ion Chamber, Exposure Meters - Numerous Phantom Kits	