

University of Massachusetts Lowell

TYPICAL ACADEMIC PLAN FOR MS in MEDICAL PHYSICS

Year 1, Semester 1 (Fall)

- (3) 98.501 Radiation Safety and Control - I
- (3) 98.509 Nuclear Instrumentation
- (3) 98.605 Radiation Interactions and Transport
- (0) 98.711 Radiological Sciences Seminar

Year 1, Semester 2 (Spring)

- (3) 98.596 Introduction to Medical Imaging
- (3) 98.562 Radiation Biology
- (3) 98.565 Radiation Therapy Physics
- (0) 98.712 Radiological Sciences Seminar

— TARGET DATE FOR FORMATION OF SUPERVISORY COMMITTEE —

Year 1, Summer Trimester

- (3) 34.651 Sectional Human Anatomy
- (1) 34.659 Sectional Human Anatomy Lab
- (1) IB.520 Ethical Issues in Biomedical Research

Year 2, Semester 3 (Fall)

- (3) 98.533 External Dosimetry and Shielding
- (3) 98.597 Advanced Medical Imaging Physics
- (1) 98.676 Graduate Medical Physics Internship (Clinical Rotation – I)
- (0) 98.711 Radiological Sciences Seminar
- (3) 98.743 Thesis Research

Year 2, Semester 4 (Spring)

- (3) 98.606 Monte Carlo Simulation of Radiation Transport
- (3) 98.665 Advanced Radiation Therapy Physics
- (1) 98.686 Advanced Medical Physics Internship (Clinical Rotation – II)
- (0-1) 98.712 Radiological Sciences Seminar
- (3) 98.743 Thesis Research

Year 2, Summer Trimester

- (3) 98.743 Thesis Research

— TARGET DATE FOR THESIS DEFENSE —

Year 3, Semester 5 (Fall) – IF NEEDED, depending on thesis length.

- (9) 98.743 Thesis Research
- (0-1) 98.711 Radiological Sciences Seminar