

2024-25 ACADEMIC COURSES

MRI 101 : MRI SAFETY

In this course, students are introduced to the principles of magnetic resonance imaging (MRI) safety for the patient as well as for occupational and ancillary personnel. The potential hazards and biological effects associated with the MRI environment and MRI procedures will also be discussed. Topics include magnetism, properties of magnetism, magnetic resonance (MR) system components, MR magnets, radio frequency (RF) systems, gradient systems, system shielding, patient screening, contrast agents, and safety zones. In addition, students receive a comprehensive overview of the MRI quality assurance program. Topics include personnel qualifications, the quality control program, safety policies and image quality specific to MRI. The title of this course was previously MRI Safety. This course contains material previously taught in MRI 135. Level I Prerequisite: Academic Reading and Writing Levels of 6; Admission to Magnetic Resonance Imaging (MRI) program.

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Corequisites: MRI.126

Description	Hours
Credits	2
Lecture Hours	30
Clinical Hours	0
Lab Hours	0
Other Hours	0
Total Hours	30

Accurate as of 07/12/2024 Information is subject to change without notice.