

# MRI - MAGNETIC RESONANCE IMAGING

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## **MRI 101 Introduction to MRI (1-0-1)**

*Offered Fall Semester*

Prerequisite: Instructor Permission

This course covers patient screening, safety and biological considerations, MR terminology and elementary imaging principles.

## **MRI 103 MRI Patient Care and Safety (2-0-2)**

*Offered Fall Semester*

This course introduces basic patient care in an MRI environment, including professional ethics, patient communication and magnet safety.

## **MRI 111 MRI Physics (5-0-5)**

*Offered Fall Semester*

Prerequisite: Instructor Permission

This course is an introduction and exploration of MRI physics, instrumentation and application.

## **MRI 121 Advanced MR Imaging Techniques (5-0-5)**

*Offered Spring Semester*

Prerequisite: MRI 111

This course explores advanced imaging methods and new technologies in magnetic resonance imaging.

## **MRI 140 MR Imaging of the Head and Neck (2-0-2)**

*Offered Fall Semester*

Prerequisite: Acceptance into the MRI Program

This course is an exploration of the magnetic resonance imaging techniques of the head and neck to include patient positioning, protocols, pulse sequences and pathology.

## **MRI 141 MR Imaging of the Spine & Musculoskeletal System (2-0-2)**

*Offered Spring Semester*

Prerequisite: Acceptance into the MRI Program

This course is an exploration of the magnetic resonance imaging techniques of the spine and musculoskeletal system to include patient positioning, protocols, pulse sequences and pathology.

## **MRI 142 MR Imaging of the Thorax (2-0-2)**

*Offered Spring Semester*

Prerequisite: Acceptance into the MRI Program

This course is an exploration of the magnetic resonance imaging techniques of the heart and thorax to include patient positioning, protocols, pulse sequences and pathology.

## **MRI 143 MR Imaging of the Abdomen and Pelvis (2-0-2)**

*Offered Spring Semester*

Prerequisite: Acceptance into the MRI Program

This course is an exploration of the magnetic resonance imaging techniques of the abdomen and pelvis to include patient positioning, protocols, pulse sequences and pathology.

## **MRI 161 MRI Clinical Practicum (0-15-5)**

*Offered Fall Semester*

This course is an introduction to the MRI department to include communication, screening, safety and performance of routine MR procedures.

## **MRI 162 MRI Clinical Practicum II (0-15-5)**

*Offered Spring Semester*

Prerequisites: MRI 101, MRI 161

This course is an extensive clinical experience to include advanced imaging.