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## 2024-25 ACADEMIC COURSES

### MRI 130: MRI PHYSICS II

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In this course, students will learn advanced physical principles of Magnetic Resonance Imaging (MRI). Topics include maximum intensity projection image formation, diffusion and perfusion, fundamentals of flow (including types of flow), flow motion correction and vascular imaging. Students will discuss imaging parameters, imaging options and tradeoff as well as artifacts and compensations. Parallel imaging, MR spectroscopy, and dynamic contrast enhancement will also be covered.

**Level I Prereq:** Academic Reading and Writing Levels of 6; Admission to Magnetic Resonance Imaging (MRI) program; MRI 110 minimum grade "C"

Description	Hours
Credits	3
Lecture Hours	45
Clinical Hours	0
Lab Hours	0
Other Hours	0
Total Hours	45

Accurate as of 05/20/2024 Information is subject to change without notice.