

2022-23 ACADEMIC COURSES

MRI 130: MRI PHYSICS II






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 08/12/2022 Information is subject to change without notice.

Class offerings by semester

| | Winter | Summer | Fall |
|--|--|--------|-------|
| Even Years (2022, 2024, 2026) |  | | |
| Odd Years (2023, 2025, 2027) |  | | |
|  Class | (before | 5 | p.m.) |
|  Class | (after | 5 | p.m.) |
|  Online Class Revised: 2/2/22 | | | |
| <p>The annual schedule class offerings by semester is offered as a planning tool. Please refer to the course schedule to see the specific time and platform for which the course is offered.</p> | | | |

Swipe left to see full chart