

BMED 4823: INTRO TO BIOMEDICAL OPTICS

Mons. & Weds. | 12:20 pm - 1:35 pm | MoSE 1222

Instructor: Shu Jia

Course Description

Optics is everywhere for biomedical research! This new **entry-level, core** class is for biomedical engineers interested in the interface of optics and its biomedical applications such as optical imaging, stimulation, sensing, diagnostics and therapeutics. The course will introduce fundamentals and applications of optical science, engineering and technology to a broad range of laboratory and clinical biomedical problems.

Who Should Attend

The course is **open to all majors and years**. The contents are especially designed for 2nd and 3rd-year undergraduate students who have taken basic physics and plan to pursue research and career in bioengineering and life sciences.

*Prerequisite: PHYS 2211 PHYSICS I or equivalent.

