Biophotonics (Spring 2019)
BME/OPTI 420/520
MWF 2-2:50 pm
Instructor: Prof. Judith Su
Mines & Metallurgy Rm. 221

Course Description: This course will cover the interaction of light with biological material. A particular focus will be the use of photonics in medical diagnostics. The course will include introductory biological concepts such as DNA, proteins, cells, and tissues. In addition, the course will teach the principles and applications of bioimaging, spectroscopy, and biosensors, as well as summarize recently published progress in the field.