PHYS 394 Digital Signal and Image Processing with Biomedical Applications (3)

A systematic presentation of mathematical aspects and the corresponding computational techniques and tools currently used in digital signal and image processing. The topics include signal sampling, temporal and frequency domain representations, filtering, denoising, enhancing, and visualization of signals with emphasis on biomedical data.

Prerequisite(s): PHYS 112 and PHYS 112L or HONS 158 and HONS 158L
Corequisite(s): PHYS 394L
Course Frequency: Occasional