# BMEN6365 - Biomedical Image Processing

[BMEN 6365](#) Biomedical Image Processing (3 semester credit hours) This course covers basic digital image processing techniques used for the analysis of images. Topics include spatial and frequency domain filtering, image restoration, morphological operators (e.g., erosion and dilation) and their uses (e.g., boundary extraction, extraction of connected components), image segmentation and pattern recognition. A percentage of the course grade is based on projects, which require students to program image processing techniques and apply them to images. (3-0) Y