

## **EL 485 - Digital Image Processing**

3 Credit Hours

Fundamentals of Digital Image Processing. Image Transforms techniques (Fast Fourier Transform, KL transform, Wavelet Transform). Image Enhancement using Spatial and Frequency domain Filters, Gray level Transformations. Image Restoration: Overview of Degradation models - Unconstrained and constrained restorations-Inverse Filtering, WienerFilter. Feature Extraction: Edge Detection, Thresholding - Segmentation, Image Morphology - Boundary and Regional descriptors.

### **Prerequisites**

[EL 410](#)