

# **SYSTEMS DESIGN ENGINEERING**

## **Advanced Topics in Image Processing**

**SYDE 770 - Topic 14**

**Fall**

This course is intended to provide insights into advanced topics in image processing. The topics discussing include but are not limited to: multiscale and probabilistic image restoration, sparse image reconstruction, image fusion, optical flow, active contour and region-based image segmentation, and rigid and non-rigid image registration.

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