CMPT882: Recognition Problems in Computer Vision  
Instructor: Greg Mori  
Fall 2004  

Course website:  
http://www.cs.sfu.ca/~mori/courses/cmpt882  

Grading scheme:  

- 10% reading assignments  
- 20% assignments (two of them)  
- 70% project (10 plan, 30 presentation, 30 report),  

List of topics:  

Week 1 (Sept 10): Administrivia, Intro, edge detection  
Week 2 (Sept 17): Texture recognition / synthesis  
Week 3 (Sept 24): Shape matching  
Week 4 (Oct 1): Handwritten digit recognition  
Week 5 (Oct 8): Face detection  
Week 6 (Oct 15): Recognition using Local Features  
Week 7 (Oct 22): Face recognition  
Week 8 (Oct 29): 3d Object recognition  
Week 9 (Nov 5): Detection of human figures  
Week 10 (Nov 12): Activity recognition  
Week 11 (Nov 19): Scene/location recognition, Words and pictures  
Week 12 (Nov 26): Project presentations / other topics (tracking, segmentation)  
Week 13 (Dec 3): Project presentations  

Assignment dates (tentative):  

A1: Out week 2, In week 4  
A2: Out week 6, In week 8  
Project proposal: Out week 4, In week 7  
Project report: In last day of classes  

Textbooks:  

No required texts. The following two books have been placed on hold in the library for reference:  
E. Trucco and A. Verri, “Introductory Techniques for 3-D Computer Vision”