CV Nanodegree Learning Plan

Week 1 learning objectives:
1) Introduction to Computer Vision
2) Learn how to implement image processing techniques
3) Learn how to use filters to recognize edges and shapes

Week 1

Time	Activity	Notes
½ hr	Complete lesson 1: "Welcome to Computer Vision"	Each class has a term end deadline. Please make sure you review the "Deadline Policy" in L1.7.
1 ½ hr	Complete lesson 2: "Image Representation and Classification"	Don't skip the notebook exercises and quizzes. They will help you get familiar with Matplotlib, Numpy, and OpenCV libraries.
1 ½ hr	Complete lesson 3: "Convolutional Filters and Edge Detection"	
1 hr	Go through the optional "Cloud Computing" lessons	Please check out this page to apply AWS credits.

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Week 2 learning objectives:
1) Learn how to segment an image into different parts
2) Learn how to describe objects and images using feature vectors
3) Learn how to define and train Convolutional Neural Network
4) Submit project 1: Facial Keypoint Detection

Week 2

Time	Activity	Notes
1 hr	Complete lesson 4: "Types of Features & Image Segmentation"	
1 hr	Complete lesson 5: "Feature Vectors"	
1 ½ hr	Complete lesson 5: "CNN Layers and Feature Visualization"	
1 hr	Submit project 1: "Facial Keypoint Detection"	This project does not require the use of GPU, so this project does not include instructions for GPU setup.