# ELEC4630/7463 Image Processing and Computer Vision
## Assignment 1
(Due Date: 27 March 2015 at 5:00pm)

1.  Automatically locate the number plate in the following image. (Available in cars.zip from Blackboard). You may try a 2D cross-correlation with a template matching the plate border, but you will probably need to 'chamfer' the template by convolving with a Gaussian or some other blurring function. You'll also need a good edge detector such as the Canny Edge detector. Test your method on other example car images from cars.zip.

    For extra marks, segment the characters and recognize the plates using template matching. In your report discuss methods used, problems encountered, performance, and possible solutions.

    Remember to demonstrate your solution to the tutors so that they can assign you a mark. The object of this assignment is not necessarily to obtain a perfect solution, but to make a solid attempt to solve a real world problem.

    (20 Marks)



(Total 20 Marks)