

COMP37212: Coursework 1 Mark Scheme**Total (20 marks)**

1. Implement python code for image padding	2 marks
2. Implement a convolution function between an image and a 3x3 structural element OR Implement a convolution function between an image and an nxn structural element (call function for n=3)	4 marks
3. Calculate Horizontal and Vertical gradient Images and combine to find gradient magnitude image.	2 marks
4. Implemented function that performs thresholding to find image edges	3 marks
5. Compare edge strength images when using a weighted average kernel	2 marks
6. Conclusions	4 marks
7. (For full marks) experiments and conclusions that demonstrate exceptional understanding	3 mark