ChE 576 Final Report Marking Rubric

Student's Name _____ **Station:** _____

Summary					**/75**
Overview of project				**/20**	
Key results highlighted				**/55**	
Part I: First Principles Modelling					**/125**
For each case	**Mass 1**	**Temp 1**	**Mass L**	**Temp 2&3**	**/109**
Derivation	/5	/12	/5	/10	
Steady State Calculations	/4	/4	/4	/8	
Effect of Inputs	/5	/5	/5	/8	
Linearisation	/6	/14	/6	/8	
Complete Nonlinear Model				**/8**	
Complete Linearised Model				**/8**	

ChE 576 Final Report Marking Rubric

Part II: Experimental Investigation of Model Predictive Control   **/125**

For Each Investigation	Nominal	Economic	Penalty	/51
Performance Measures	/11	/11	/11	
Summary Graphs of Data	/6	/6	/6	

Effect of changing the optimisation function   **/20**

Effect of changing the weighting matrices   **/25**

Effect of constraints on the system   **/20**

General observations on MPC   **/9**

Appendix I: All Experimental Data Graphed   **/20**

Appendix II: Sample Calculations for Experimental Results   **/25**

Grammar, spelling, formatting   **/20**

/390