Student number(s):

Section	Maximum grade	Grade
Objective		
Objective of the experiment (maximizing? minimizing? sensitivity?) Response variable(s)?	4	
Parameters*		
Response variable(s): how are they measured? Factors: which factors were identified? How are the factors measured? Range chosen for the factors? Are factors controlled, uncontrolled, controllable but not controlled, varied? At what levels can the X's be set? Disturbances: which factors are known to affect the response but not being investigated here? How do you control for them? [4] Expected effect of each X on the response(s)?	? 5+4	
Experimental program*		
Was the experiment appropriately designed to account for the above? factors? E.g. was blocking required to account for any disturbances? Was a full or fractional factorial run, maybe a CCD design? What, if any, was the confounding pattern? Were any replicates possible? Center points? Were all combinations of all factors possible, or were there any constraints? How were the experiments randomized?	9	
Analysis of the data*		
Were the data analyzed in a way consistent with the chosen design? Accuracy of the model parameters calculated. Visualization of the raw data Any problems with the data collected? Comments on the problems? Sensitivity analysis via Pareto plot or confidence intervals (using replicates, or dropping out unimportant factors and refitting) Could the fractional factorial, if applicable, be collapsed into a full factorial? Or are replicates available after dropping out main effects? Final model derived. Interpretation of it in the context of the experiments.	11 + 3 (for log sheet)	
Conclusions*		
How does the model match up with the original objective? What future experiments, if any, would be required to further investigate the system? General comments on how this relates to your area (chemical engineering, electrical engineering, etc). Are the results useful for future use of this system? Reproducibility?	4	
Fotal	[40]	

^{*} Every bullet point need not be answered to obtain full grade. Sometimes the answers appear in different sections of the report - that's OK.