Faculty Supervisor:	Semester
Chemical Engineering 4903	Letter Report Grading Rubric
Team Members	
Project	
PRELIMINARY ORAL EXAM Did the team come prepared to the exam, that considerations, the equipment SOP, and the re Did the team come prepared with a well-thou meet the project objectives? Did all team mer exam?	elevant theory for the project? ght-out experimental plan to
LABORATORY PERFORMANCE (Graded Did all team members follow all safety regular Wear safety glasses at all times in the lab? Docontainers and containers used for temporary contents, concentration, and owner information food in the lab? Did the team properly shut dochemicals, tools, and supplies by 5 pm?	ations listed in the lab handbook? id the team properly label waste storage of chemicals with on? Did the team members bring
LAB BOOK Did the team keep records in a lab book in a r Were the pages numbered, signed, and dated? could the team or a colleague repeat the work	By use of the team's notes,
LETTER REPORT OVERVIEW Does the overview concisely state all of Does the overview concisely summaris with respect to each objective? Does to unexpected discoveries that were not provided the control of	ze the conclusions of the project the summary mention important
APPARATUS AND PROCEDURE Does this section give a brief descripti especially innovative techniques, prob	<u> </u>
Is enough information given about each thermocouples, pH meters, etc.) so that from now could purchase the same equipment).	nt the student working five years

Does this section explain why a particular experimental approach was chosen, rather than other obvious possible experimental approaches?

\_\_\_\_/10

RESULTS AND DISCUSSION OF RESULTS  Does every figure and data table (0 – 3 maximum) included in this section have a point to make that is discussed in the text? Does the report author make descriptive statements of fact about each figure and table as well as speculations on the reasons for the data trends? Are the descriptive statements clearly distinguishable from the speculations? Are the data compared to model predictions and previous measurements of the same quantities reported in the literature? Are uncertainties given with significant figures only in reported values in the text and data tables?	/15
Does this section contain <u>all</u> of the important equations used in the calculations of the data points appearing in the figures and tables, with appropriate citations to the literature sources from which the equations were taken? For each equation, are all the theoretical assumptions stated, and are all symbols defined in the text?	/10
CONCLUSIONS AND RECOMMENDATIONS For every project objective given in the OVERVIEW, does the report either give a conclusion that is clearly supported by the data, or explain why no conclusion could be obtained? If there were any important unexpected discoveries not related to the original project objectives, are these also discussed in this section? Are recommendations given that are based on the project conclusions?	/10
OVERALL REPORT PROFESSIONAL APPEARANCE  Does the report have the correct format (3 to 5 pages maximum), correct spelling and grammar, proper format of tables, figures, equations, references (treated as footnotes), etc. ?	/10
BONUSES (0 – 10 points) Excellence in	/10
PENALTIES Late	
FINAL REPORT SCORE (0 – 100 points)	

Semester

Faculty Supervisor: