

**ChE 455/555: Analysis of Electrochemical Systems**  
Lab Grading Sheet

Experiment:

Team # and members

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<i>Section</i>	<i>Maximum credits</i>	<i>Grade</i>
<i>Lab attitude</i>	5	
<i>Report overall experimental uncertainty</i>	5	
<i>Report overall presentation</i>	5	
<i>Data</i>	5	
<i>Results and discussion</i>	55	
<i>Calculations</i>	25	

Lab Grade (max 100 points): \_\_\_\_\_

**Lab attitude**

- |  |
|--|
| A Kept a professional behavior during the lab, have precaution, kept the lab clean, took into consideration safety issues (safety goggles, safety glass, glove, etc) |
| B Fail in at least one of the topics described   |
| C Fail in at least two of the topics described   |
| D Fail in at least three of the topics described   |
| F Fail in at least four of the topics described  |

**Experimental uncertainty**

- |   |
|---|
| A All values quoted with uncertainties throughout the report. Uncertainties appropriately based on propagation of experimental error. Includes error bars on figures as appropriate |
| B   |
| C Some important values quoted without uncertainties, or some uncertainties not appropriately based on propagation of experimental error  |
| D   |
| F Most values quoted without uncertainties and error propagation lacking or basis for uncertainties unclear or major errors in error propagation                                    |

### **Overall presentation**

- A Effective choice between tables, graphs, and text. Presented in logical order. Units and proper number of significant figures used. Well organized report
- B Fail in at least one criterion
- C Fail in at least two criterion
- D Fail in at least three criterion
- F Fail in more than three criterion

### **Data collected**

- A All data collected is shown, uncertainties included, the numbers seem correct, appropriate presentation (choice between tables, text, and graphs)
- B
- C Fail in at least two criterion
- D
- F Fail in all criteria

### **Results and Discussion**

- A All results related to the objectives (and discussion) are shown and are based on proper data collection and calculations. All results appear reasonable or were calculated using the correct analysis. Unusual results are explained. All the questions posted in the discussion are answered correctly.
- B All results related to the objectives (and discussion) are shown. Most results appear reasonable
- C Most results related to the objectives are shown. All results appear reasonable. Minor errors in questions posted.
- D
- F Several results related to the objectives (and discussion) are missing or most results appear unreasonable or were incorrectly calculated. Most questions answered incorrectly

### **Calculations**

- A Complete and correct. Easy to follow. Units are included
- B Complete and correct. Confusing in spots. Units are included.
- C Minor omissions or few minor errors. Confusing in spots
- D Minor omissions and a few minor errors. May be confusing in spots
- F Major omission or major error or multiple errors or generally confusing