

# ChE 401

## Chemical Engineering Practice I

**Student** \_\_\_\_\_ **Date** \_\_\_\_\_  
**Experiment** \_\_\_\_\_ **Group** \_\_\_\_\_

### I. Content

		Proposal		Final
1. Introduction	[20]	_____	[20]	_____
2. Description of apparatus [new]	[10]	_____	[10]	_____
3. Experimental procedure [new]	[10]	_____	[10]	_____
4. Background and previous work	[25]	_____		_____
5. Innovation	[30]	_____	[20]	_____
6. Data analysis, calculations	[25]	_____		_____
7. Results including data			[30]	_____
8. Discussion			[30]	_____
9. Safety analysis and precautions	[30]	_____		_____
10. Conclusions and recommendations			[30]	_____
<b>Grade, Part 1.</b>	[150]	_____	[150]	_____

### II. Presentation Mechanics

1. Organization	[10]	_____	[10]	_____
2. Clarity of speech	[10]	_____	[10]	_____
3. Professionalism	[10]	_____	[10]	_____
4. Visual Aides	[20]	_____	[20]	_____
<b>Grade, Part II</b>	[50]	_____	[50]	_____

**III. Overall Grade (Instructor)** [200] \_\_\_\_\_ [200] \_\_\_\_\_

**Final Grade** \_\_\_\_\_ percent

Proposal comments

Final report comments

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Chemical Engineering Practice I  
Written Report Grading Form

**Student** \_\_\_\_\_ **Date** \_\_\_\_\_  
**Experiment** \_\_\_\_\_ **Group** \_\_\_\_\_

**I. Technical Content**

1. Summary/Recommendations	[35]	_____
2. Background and Theory	[40]	_____
3. Adequate data and range of data	[20]	_____
4. Adequate analysis of data	[40]	_____
5. Adequate discussion of results	[40]	_____
6. Validity of conclusion and relation to theory	[40]	_____
7. Clarity and accuracy of sample calculation	[10]	_____
<b>Grade, Part I</b>	<b>[225]</b>	_____

**II. Report Format**

Summary and Recommendations	[10]	_____
Table of Contents	[5]	_____
Abstract	[10]	_____
I. Introduction and Background	[10]	_____
II. Experimental	[10]	_____
III. Results	[10]	_____
IV. Discussion /conclusions	[10]	_____
Figures (captions)	[20]	_____
Proper citation of reference information	[10]	_____
Bibliography	[30]	_____
Appendices	[20]	_____
(a) Copies of lab notebook pages	(e) Detailed procedure	
(b) Instrument calibrations	(f) Sample calculation	
(c) Details of the theory and derivations	(g) Analysis program(	
(d) Detailed apparatus description	(h) Intermediate result	
14. Overall clarity - coherence	[10]	_____
15. Grammar, syntax, spelling	[10]	_____
16. Neatness, professional appearance	[10]	_____
<b>Grade, Part II</b>	<b>[175]</b>	_____

**III. Overall Grade [(Part I + Part II)/4]** [100] \_\_\_\_\_