Chemical Engineering Department
CHE 351 – Coop
Rubrics Score

Student Name : **ID # :**

Project Title : **Advisor :**

Company : **2nd Examiner :**

Term :

Outcome		Professional Quality (4 points)	Adequate (3 points)	Needs Improvement (2 points)	Inadequate (1 points)	Score
1	Write a technical report	English writing and report format is professional	English writing and report format is very good	English writing and report format is satisfactory	English writing and report format is poor	
2	Apply chemical engineering process calculations such as mass and energy balances	Process calculations are used intensively and very accurately	Process calculations are used adequately and accurately	Process calculations are not clearly indicated	Process calculations are missing and/or wrongly applied	
3	Draw block / process flow diagrams and label equipment and stream information	Block / Process flow diagrams are drawn extensively and labeled very accurately	Block/ Process flow diagrams are adequately drawn and labeled	Block/ Process flow diagrams drawing and labeling is not clear or missing major information	Block/ Process flow diagrams are missing	
4	Determine / collect physical, chemical and transport properties of process fluids	All required fluid properties are determined / collected very accurately and source or correlation is clearly indicated	Fluid properties are adequately determined / collected and source or correlation is indicated	Some fluid properties are missing or source may be missing	Fluid properties are missing or unrealistic	
5	Demonstrate design of chemical engineering equipment (such as pumps, heat exchanges, flash drums, reactor ... etc.)	Equipment design is clearly and very accurately demonstrated	Equipment design is adequately demonstrated	Equipment design is partially demonstrated	No evidence of equipment design	
6	Simulate / model / optimize chemical engineering processes	Process simulation / modeling / optimization is extensively used and presented accurately	Process simulation / modeling / optimization is used and presented adequately	Process simulation / modeling / optimization is not clearly used or contains errors	No evidence of process simulation / modeling / optimization	