IPR 2 Rubric – Senior	Capstone Design Project - CH402 AY152	

	1-Needs More	2	3 - Good	4	5 - Excellent	
Task organization and completion.						
□ Updated Gantt chart?					I	
☐ Does list of deliverables reflect those stated in handout?						
☐ What remains to be done?					I	
☐ Process Economics: I/O complete and plan established to finish full analysis?						
Reactor design.						
□ Have they modeled the reactor in ChemCAD?						
☐ Has catalyst mass been calculated?						
☐ Has heat duty been calculated?					I	
☐ What is the cost of the catalyst? Reactor?					I	
☐ Have cadets configured the bed yet?					I	
□ Have they identified the optimization strategy yet?						
Separator design.						
$\hfill\Box$ Have the cadets identified the separation problem?						
$\ \square$ Do they understand how many separators they will need (number of splits)?						
☐ Have they calculated the reactor product distribution yet?					I	
☐ Have any of the separators been modeled in ChemCAD?						
☐ What are the costs?					I	
□ Have they identified the optimization strategy yet?						
Literature review .						
□ What are the TCIs and capacities for other plants already built?						
$\hfill \square$ Do the cadets understand the chemical reactions involved?						
☐ Are cadets making use of important chemical engineering design references?						
☐ Have the cadets calculated preliminary plant cost from scaling?						
Quality of PowerPoint briefing.						
☐ Are slides organized and clear?					I	
$\hfill\Box$ Was the number of slides appropriate for a 30 minute briefing?						
$\hfill\Box$ Did the cadets each speak clearly with correct grammar?						
\square How did the cadets respond to questions?						
☐ Did all group members play a significant role?						
Overall						
□ Are cadets on the correct glide path to finishing the project?					I	
☐ Is overall progress appropriate for this time of the semester?						
					<u> </u>	
Notes:						
Total Score:						