IPR 1 Rubric – Senior Capstone Design Project – CH402 AY132 **Cadets:**_____

	1-Needs More	2	3 - Good	4	5 - Excellent
Task organization and completion. (Do the cadets have a clear and correct problem statement? Do they know what they are supposed to do? Do the task organization and statement of deliverables reflect items described in handout? Do cadets have a plan to complete the project?)					
Reactor design. (Do cadets recognize the primary problem of this design project? Have they performed the calculation yet? Have they performed this calculation more than once?)					
Separator design. (Do cadets have a general plan for separating product fractions? Have they calculated the product distribution yet? Have they performed the calculation on at least one split?)					
Literature review. (Have cadets examined how others have solved this problem? Have they examined the chemical engineering references? How many? What are the chemical reactions involved? Do cadets have professional-looking chemical mechanisms?)					
Preliminary market/economic analysis. (Have cadets found references to cost and capacity for similar types of units? Have they used the scaling equation to estimate total process capital investment? Have cadets begun to examine colorful worksheet?)					
Quality of PowerPoint briefing. (Are slides organized and clear? Have cadets spoken with clear and correct English grammar? How do the cadets respond to questions? Do they give thorough answers?)					
Notes:					

Total Score: