Rubric for Grading Oral Reports in CH402, AY25-2 **Instructor:_____**

Communication	
/0-10	PowerPoint slides are well-crafted and readable
Flowsheets:	
/0-10	Professional (e.g., no “kinky” flow streams, appropriate font size, line width, etc.)
/0-10	Use logical numbering system for streams and process units
/0-10	Fit appropriately into PowerPoint slide
/0-10	Presented in a logical fashion; information flow is apparent
Graphs:	
/0-10	Overall appearance
/0-10	Legends, axis labels and units are used
/0-10	Fonts are consistent with the overall document
Tables:	
/0-10	Professional in appearance (e.g., columns properly aligned, font size, spacing, etc.)
/0-10	Units are defined
Safety and Control	
/0-10	Process control points are clearly illustrated and identified (e.g., T, P, L, F)
/0-10	Control loops not required, but control strategies can be easily inferred or are discussed
/0-10	Location of relief devices are shown with rationale
/0-10	HAZOP analysis
/0-10	Environmental assessment
/0-10	Flammability and exposure risks
Design and Economics	
/0-10	Addresses process engineering challenge (part 1) and innovation challenge (part 2)
/0-10	Appropriate background and context are provided for each part
/0-10	Presents design specs with comparison to process
/0-10	Table of equipment costs
/0-10	Energy usage (e.g., cooling water, steam, NG, electricity, etc.)
/0-10	Economic figures of merit with benchmarks (e.g., ROI, PBP, NPW, etc.)

Cadets: _____ **Total Points:_____**

Grade/300:_____