

## Process Control Project Rubric

Group Name \_\_\_\_\_ Date \_\_\_\_\_ Score \_\_\_\_\_ / 100

	Written Report Criteria	Possible	Score	Comments
Technical Work	Abstract and Introduction	5		Concise statement of problem objective and architecture such as actuator, measurement, and controller
	Appropriate detail of experimental methods and apparatus	5		What are the limitations of the measurement, cycle time, and controller output? Details of hardware or simulator.
	Appropriate figure(s), graph(s), tables(s) to adequately support results and conclusions	5		Graphics that support conclusions, refer to figures in the body of the report
	Results and Discussion with appropriate analysis, accurate results, clear logic, and persuasion	10		Stability analysis, model parameters, controller / optimizer tuning with justification for best performance
	Clear conclusions, recommendations supported by data	10		Consistent with objective in the introduction
Writing	Organization that includes appropriate headings	5		Overall organization such as: Title / Abstract Introduction / Prior Work Theory Discussion Conclusion / Future Work
	Quality of communication – clarity, precision, concise	10		Switching between 1 <sup>st</sup> and 3 <sup>rd</sup> person?  Topic sentence for each paragraph
	Grammar, spelling, and appropriate length	10		2 page limit

	Oral Presentation Criteria	Possible	Score	Comments
Presentation	Introduction (TECOS) – Thank, Expert, Concerns, Objective, Start	10		How to Start a Presentation <a href="https://youtu.be/IWBr7ploenM">https://youtu.be/IWBr7ploenM</a>
	Quality of communication	10		Clarity and precision
	Conciseness with appropriate length and number of slides	10		5 min limit
	Clear conclusions with motivating discussion	10		What will the audience think, feel, or do differently because of the presentation?

