

	<b>Excellent</b> (100%)	<b>Competent</b> (60%)	<b>Developing</b> (30%)	<b>Grade 1</b>	<b>Grade 2</b>
<b>Documentation</b> 10 pts each element	<ul style="list-style-type: none"> <li>Short document with discussion of the Simulink simulations (with and without feedback control) with enough detail that someone else could recreate the results</li> <li>This document includes Simulink block diagrams, system and simulation parameters and plots of the results, along with an interpretation of the results, e.g. physical reasonableness.</li> </ul>	<ul style="list-style-type: none"> <li>Document is missing some details</li> <li>Document is missing some elements, or some elements have errors.</li> </ul>	<ul style="list-style-type: none"> <li>Document is missing most details</li> <li>Most elements are missing</li> </ul>	____/20	____/20
<b>Demonstration</b> 5 pts each element	<ul style="list-style-type: none"> <li>Students are able to run their simulations and demonstrate the results using animation</li> <li>Students can identify the purpose of each part of their simulink block diagram</li> <li>Students are fully competent to start the simulations from different initial conditions and/or with different inputs, and interpret the results</li> <li>Students are fully competent to change the physical parameters of the simulation and interpret the results</li> </ul>	<ul style="list-style-type: none"> <li>Students are able to run their simulations and demonstrate the results using animation</li> <li>Students can identify the purpose of most parts of their simulink block diagram</li> <li>Students are competent to start the simulations from different initial conditions and/or with different inputs, and interpret the results</li> <li>Students are competent to change the physical parameters of the simulation and interpret the results.</li> </ul>	<ul style="list-style-type: none"> <li>Students have difficulty running their simulations and demonstrate the results using animation</li> <li>Students cannot identify the purpose of most parts of their simulink block diagram</li> <li>Students have difficulty in starting the simulations from different initial conditions and/or with different inputs, and interpreting the results</li> <li>Students have difficulty changing the physical parameters of the simulation and interpreting the results.</li> </ul>	____/20	____/20
<b>Reflection Logs</b> 10 pts	<ul style="list-style-type: none"> <li>Reflection log is completed</li> </ul>	<ul style="list-style-type: none"> <li>Reflection log partially completed</li> </ul>	<ul style="list-style-type: none"> <li>Reflection log mostly incomplete</li> </ul>	____/10	____/10
				Total score:	____/50    ____/50