

## MECE 3160 HEAT TRANSFER LABORATORY – LAB REPORT GRADING RUBRIC

Name \_\_\_\_\_ Lab Title \_\_\_\_\_ Score \_\_\_\_\_

	Excellent (10 points each)	Good (8 points each)	Satisfactory (6 points each)	Unsatisfactory (3 points each)
<b>Organization &amp; Appearance (x ½)</b> Score: _____	<ul style="list-style-type: none"> <li>The document is easily navigated (assisted by sectioning)</li> <li>Information is in the appropriate section.</li> <li>The document is visually appealing.</li> </ul>	<ul style="list-style-type: none"> <li>The document is organized.</li> <li>Information is not in the appropriate section.</li> </ul>	<ul style="list-style-type: none"> <li>Within sections, the order in which ideas are presented is occasionally confusing.</li> <li>The document is somewhat appealing.</li> </ul>	<ul style="list-style-type: none"> <li>There is no apparent ordering of paragraph, and thus there is no progressive flow of ideas.</li> <li>There are few “cues” to help the reader navigate the document.</li> <li>The document is not visually appealing.</li> </ul>
<b>Technical Language</b> Score: _____	<ul style="list-style-type: none"> <li>Sentences are complete and grammatical. They flow together easily.</li> <li>Words are chosen for their precise meaning.</li> <li>Engineering terms and jargon are used correctly.</li> <li>No misspelled words are present.</li> </ul>	<ul style="list-style-type: none"> <li>For the most part, sentences are complete and grammatical, and they flow together easily. Any errors are minor and do not distract the reader.</li> <li>For the most part, terms and jargon are used correctly with some attempt to define them.</li> <li>There are one or two misspelled words.</li> </ul>	<ul style="list-style-type: none"> <li>In a few places, errors in the sentence structure and grammar distract the reader and interfere with meaning.</li> <li>Word choice could be improved.</li> <li>Occasionally, technical jargon is used without definition and/or incorrectly.</li> <li>There are a few misspelled words.</li> </ul>	<ul style="list-style-type: none"> <li>Errors in sentence structure and grammar frequently distract the reader and interfere with meaning.</li> <li>There is unnecessary repetition of the same words and phrases.</li> <li>There is an overuse of jargon and technical terms without definition, accompanied by incorrect use.</li> <li>There are many misspelled words.</li> </ul>
<b>Background &amp; Theory</b> Score: _____	<ul style="list-style-type: none"> <li>Demonstrated a thorough understanding of the related topic</li> <li>In depth discussion</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrated an adequate understanding of the related topic</li> <li>Moderate but relevant discussion</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrated some understanding of the related topic</li> <li>Moderate but irrelevant discussion</li> </ul>	<ul style="list-style-type: none"> <li>Did not demonstrate much knowledge of the related topic</li> <li>Brief &amp; general discussion (relevant or irrelevant)</li> <li>Copied from lab procedures</li> </ul>
<b>Objective (x ½)</b> Score: _____	<ul style="list-style-type: none"> <li>Correctly stated</li> <li>In own words</li> </ul>	<ul style="list-style-type: none"> <li>Correctly stated but incomplete</li> </ul>	<ul style="list-style-type: none"> <li>Incorrectly stated</li> <li>In own words</li> </ul>	<ul style="list-style-type: none"> <li>Incorrectly stated</li> <li>Not in own words</li> </ul>
<b>Exp. Setup &amp; Procedures (x ½ )</b> Score: _____	<ul style="list-style-type: none"> <li>Thorough explanation and detail</li> <li>Adequate depiction of setup</li> <li>In own words</li> </ul>	<ul style="list-style-type: none"> <li>Adequate explanation and detail</li> <li>Inadequate depiction of setup</li> <li>In own words</li> </ul>	<ul style="list-style-type: none"> <li>Some explanation and little detail (very general)</li> <li>No depiction of setup</li> <li>In own words</li> </ul>	<ul style="list-style-type: none"> <li>Very little or no explanation or detail</li> <li>No depiction of setup</li> <li>Not in own words</li> </ul>
<b>Data &amp; Analysis: Technical</b> Score: _____	<ul style="list-style-type: none"> <li>Appropriate and complete data collected</li> <li>Correct graphs, charts, and calculations</li> </ul>	<ul style="list-style-type: none"> <li>Appropriate but incomplete data collected</li> <li>One incorrect graph or chart, or incorrect calculations</li> </ul>	<ul style="list-style-type: none"> <li>Inappropriate but complete data collected</li> <li>One incorrect graph or chart, and incorrect calculations.</li> </ul>	<ul style="list-style-type: none"> <li>Inappropriate and incomplete data collected</li> <li>More than one incorrect graph, chart, or calculation</li> </ul>
<b>Data &amp; Analysis: Non-Technical</b> Score: _____	<ul style="list-style-type: none"> <li>No missing or incorrect units</li> <li>No significant figure errors</li> <li>Graphs completely and correctly labeled (title &amp; axis)</li> <li>Captions on all figures, tables, graphs, charts, etc.</li> <li>Correct and sufficient equations shown</li> </ul>	<ul style="list-style-type: none"> <li>One or two missing or incorrect units</li> <li>One or two significant figure errors</li> <li>One or two missing or incorrect labels on graphs</li> <li>Captions on most figures, tables, graphs, charts, etc.</li> <li>Correct but insufficient equations shown</li> </ul>	<ul style="list-style-type: none"> <li>Few missing or incorrect units</li> <li>Few significant figure errors</li> <li>Few missing or incorrect labels on graphs</li> <li>Captions on some figures, tables, graphs, charts, etc.</li> <li>Incorrect but sufficient equations shown</li> </ul>	<ul style="list-style-type: none"> <li>Many missing or incorrect units</li> <li>Many significant figure errors</li> <li>Many missing or incorrect labels on graphs</li> <li>Captions on little or no figures, graphs, charts, etc.</li> <li>No equations shown</li> </ul>
<b>Discussion of Analysis (x2)</b> Score: _____	<ul style="list-style-type: none"> <li>Demonstrated a thorough understanding and comprehension of the results</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrated an adequate understanding and comprehension of the results</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrated some understanding and comprehension of the results</li> </ul>	<ul style="list-style-type: none"> <li>Demonstrated little or no understanding and comprehension of the results</li> </ul>
<b>Conclusions (x2)</b> Score: _____	<ul style="list-style-type: none"> <li>Analysis and results correctly and adequately compared to theory, equations, and practical applications.</li> </ul>	<ul style="list-style-type: none"> <li>Analysis and results incorrectly but adequately compared to theory, equations, and practical applications.</li> </ul>	<ul style="list-style-type: none"> <li>Analysis and results correctly but inadequately compared to theory, equations, and practical applications.</li> </ul>	<ul style="list-style-type: none"> <li>Analysis and results incorrectly and inadequately compared to theory, equations, and practical applications.</li> </ul>
<b>Use of Appendices &amp;/or References (x ½)</b> Score: _____	<ul style="list-style-type: none"> <li>Information is placed appropriately in the main text or an appendix.</li> <li>Reference to sources for theories, assumptions, quotations, or findings.</li> </ul>	<ul style="list-style-type: none"> <li>Selection and/or extent of material in appendix may not be optimal.</li> <li>With an occasional oversight, prior work is acknowledged.</li> </ul>	<ul style="list-style-type: none"> <li>Content in appendix is not complete.</li> <li>On several instances, references are not stated when appropriate.</li> </ul>	<ul style="list-style-type: none"> <li>Appendices were not utilized when appropriate.</li> <li>Little attempt is made to acknowledge the work of others.</li> <li>Inaccurate/unclear references.</li> </ul>
<b>Timeliness</b>	On time	Late (-20 points per day)	# of days late:	Points to deduct: