MECE 2140 MATERIALS LABORATORY – LAB REPORT GRADING RUBRIC

Name ______ Score ______ Lab Title ______ Score ______

| Appearance (x ½) navigated (assisted by sectioning) Information is not in the appropriate section. Information is in the appropriate section. The document is visually appealing. Information is in the appropriate section. The document is visually appealing. For the most part, sentences are complete and grammatical. They flow together easily. Words are chosen for their precise meaning. Engineering terms and jargon are used correctly. No misspelled words are present. For the most part, terms and jargon are used correctly with some attempt to define them. There are flow more second them second them second them second them second them. There are a few misspelled words. For the most part, sentences are or two misspelled words. For the most part, terms and jargon are used correctly. There are ne or two misspelled words. Demonstrated a thorough understanding of the related topic. In depth discussion Demonstrated a thorough understanding of the related topic. In depth discussion Correctly stated Correctly stated topic discussion Correctly stated but incomplete with incomplete In own words Incomplete Incomplete Incomplete Incomplete Incomplete Incomplete Incomplete Incomplete | | | | | Score |
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| Durbacing Control of the related topic understanding of the related topic understanding of the related topic understanding of the related topic Score: In depth discussion Moderate but relevant discussion Moderate but relevant discussion Brief & general discussion Procedures 2 Objective (x ½) Correctly stated Correctly stated Incorrectly stated Incorrectly stated Incorrectly stated Not in own words Exp. Setup & Procedures (x ½) Adequate depiction of setup In own words Some explanation and detail Very fitter on explanation or detail (very general) Not in own words Score: In own words Score: One incorrect graphs or chart, or incorrect acluations No depiction of setup In own words In own words Score: One incorrect graphs or chart, or incorrect calculations One incorrect graph or chart, or incorrect calculations Inserting or incorrect units Inserting or incorrect units Score: No significant figure errors One or two significant figure errors Inserting errors Many missing or incorrect labels on graphs Score: Correct in sufficient equations shown | | grammatical. They flow together easily. Words are chosen for their precise meaning. Engineering terms and jargon are used correctly. No misspelled words are | are complete and grammatical, and they flow together easily. Any errors are minor and do not distract the reader. For the most part, terms and jargon are used correctly with some attempt to define them. There are one or two | sentence structure and grammar distract the reader and interfere with meaning. Word choice could be improved. Occasionally, technical jargon is used without definition and/or incorrectly. There are a few misspelled | and grammar frequently distract the reader and interfere with meaning. There is unnecessary repetition of the same words and phrases. There is an overuse of jargon and technical terms without definition, accompanied by incorrect use. There are many misspelled |
| Score: In own words In own words In own words Not in own words Not in own words Very little or no explanation and detail Adequate depiction of setup In andequate depiction of setup In andequate depiction of setup No depiction of setup In anown words Appropriate and complete data collected Correct graphs, charts, and calluations Correct and sufficient figure errors Score: No significant figure errors Score significant figure, errors Correct and sufficient figure errors Correct this Correct this Correct and sufficient figure errors Correct this Correct this<td>Theory</td><td>understanding of the related topic</td><td>understanding of the related topic • Moderate but relevant</td><td>understanding of the related topic • Moderate but irrelevant</td><td>knowledge of the related topicBrief & general discussion (relevant or irrelevant)</td> | Theory | understanding of the related topic | understanding of the related topic • Moderate but relevant | understanding of the related topic • Moderate but irrelevant | knowledge of the related topicBrief & general discussion (relevant or irrelevant) |
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| Technical Score: data collected data collected data collected data collected Data & Analysis: No missing or incorrect graphs, charts, and calculations One incorrect calculations data collected More than one incorrect graph, chart, or calculations Data & Analysis: No missing or incorrect units No significant figure errors One or two significant figure errors Few missing or incorrect units Many significant figure errors Correct and sufficient equations shown Captions on all figures, tables, graphs, charts, etc. One or two missing or incorrect labels on graphs Many significant figure errors Many missing or incorrect units Discussion of Analysis (x2) Demonstrated a thorough understanding and comprehension of the results Demonstrated a thorough understanding and comprehension of the results Manalysis and results correctly applications. Manalysis and results correctly applications. Manalysis and results correctly applications. Use of Appendices &/or References (x ½) Information is placed appropriately in the main text or an appendix. Selection and/or extent of theories, assumptions, quations, or findings. Selection and/or extent of material in appendix may not be optimal. Content in appendix is not complete. Analysis and practical applications. Analysis and practical applications. Analysis and practical applications. Analysis and pracutical applications. | Procedures (x ½) Score: | detail Adequate depiction of setup In own words | detail Inadequate depiction of setup In own words | detail (very general) No depiction of setup In own words | No depiction of setupNot in own words |
| Non-Technical Score: • No significant figure errors • Few significant figure errors • Few missing or incorrect labels on graphs • Many significant figure errors • Captions on all figures, tables, graphs, charts, etc. • One or two missing or incorrect labels on graphs • Few significant figure errors • Many significant figure errors • Correct and sufficient equations shown • One or two missing or incorrect labels on graphs • Captions on some figures, tables, graphs, charts, etc. • Captions on some figures, tables, graphs, charts, etc. • Captions on most figures, tables, graphs, charts, etc. • Correct but sufficient equations shown • Demonstrated a thorough understanding and comprehension of the results • Demonstrated and equate understanding and comprehension of the results • Demonstrated and equate understanding and comprehension of the results • Demonstrated and equate understanding and comprehension of the results • Analysis and results correctly and adequately compared to theory, equations, and practical applications. • Analysis and results incorrect y but adequately compared to theory, equations, and practical applications. • Analysis and results incorrect y but adequately compared to theory, equations, and practical applications. • Analysis and results incorrect with an occasional oversight, prior work is acknowledged. • Content in appendix is not complete. • Analysis not complete. • Analysis and practical applications. • Analysis and tes uttilized when appropriate. | Technical | data collectedCorrect graphs, charts, and | data collectedOne incorrect graph or chart, | data collectedOne incorrect graph or chart, | data collectedMore than one incorrect |
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| | Timeliness | On time | Late (-20 points per day) | # of days late: | |