MAE 435 – Assessment of a Final Report Group: _____

*Rubric based in part on Inquiry and Analysis, Written Communication, and Critical Thinking VALUE Rubrics presented in Rhodes, T. L. (ed.). (2010). *Assessing outcomes and improving achievement: Tips and tools for using rubrics*. Washington, D.C.: Association of American Colleges and Universities. Also available online at http://www.aacu.org/value/

Student Learning	Exceeds Standard	Meets Standard	Approaches Standard	Needs Attention	Lacks Attention	Score
Outcomes	Α	В	С	D	F	
1. Students will create an appropriate cover/title page.	The cover page contains all of the following: Separate standalone page with no spelling errors. Name of Students Project title Date Technical aspects of paper: Page number 1; Double spaced; and Times New Roman 12 point font, title [1.5 pts]□	The cover page contains four of the following: Separate standalone page with no spelling errors. Name of Student Project title Date Technical aspects: No page number; Double spaced; and Times New Roman 12 point font, title [1.0 pts]	The cover page contains three of the following: Separate standalone page with no spelling errors. Name of Student Project title Date Technical aspects: No page number; Double spaced; and Times New Roman 12 point font, title [.75 pts]□	The cover page contains two of the following: Separate standalone page with no spelling errors. Name of Student Project title Date Technical aspects: No page number; Double spaced; and Times New Roman 12 point font, title [.5 pts]□	The cover page contains none of the following: Separate standalone page with no spelling errors. Name of Student Project title Date Technical aspects: No page number; Double spaced; and Times New Roman 12 point font, title [o pts]□	
2. Students will create a table of contents for the report.	The table of contents contains all of the following: Table of Contents title. Page Number 2. Page numbers for report match in the document. Double -spaced and correct alignment. [1.5 pts]□	The table of contents contains three of the following: Table of Contents title. Page Number 2. Page numbers for report match in the document. Double -spaced and correct alignment. [1.0 pts]	The table of contents contains two of the following: Table of Contents title. Page Number 2. Page numbers for report match in the document. Double –spaced and correct alignment. [.75 pts]	The table of contents contains one of the following: Table of Contents title. Page Number 2. Page numbers for report match in the document. Double -spaced and correct alignment. [.5 pts]□	The table of contents contains none of the following: Table of Contents title. Page Number 2. Page numbers for report match in the document. Double -spaced and correct alignment. [o pts]□	
3. Students will create a list of figures and tables	The table of contents contains all of the following: Table of figures and tables title. Page Number. Page numbers for report match in the document. Double –spaced and correct alignment. [1.5 pts]□	The table of contents contains three of the following: Table of figures and tables title. Page Number. Page numbers for report match in the document. Double –spaced and correct alignment. [1.0 pts]□	The table of contents contains two of the following: Table of figures and tables title. Page Number. Page numbers for report match in the document. Double –spaced and correct alignment. [.75 pts]□	The table of contents contains one of the following: Table of figures and tables title. Page Number. Page numbers for report match in the document. Double –spaced and correct alignment. [.5 pts]□	The table of contents contains none of the following: Table of figures and tables title of Contents title. Page Number. Page numbers for report match in the document. Double –spaced and correct alignment. [o pts]	
4. Students will be able to write an ABSTRACT	Overview of the document appears to be very well summarized , and gives the reader a very clear picture of the topic. [10 pts]	Overview of the document appears to be well summarized , and gives the reader a clear picture of the topic. [8 pts]	Overview of the document is noted, but not well summarized, and gives the reader an imprecise picture of the topic. [6 pts]	Overview of the document is given cursory or superficial thought, and gives the reader a confusing picture of the topic. [4 pts]	Overview of the document is absent , and gives the reader no insight into the topic. [o pts]	
5. Students will be able to show competence in the technical aspects (grammar & style) of writing for abstract.	The paper is highly organized with paragraphs that are well written , flow logically and are without spelling, grammar, punctuation errors. [1.5 pts]□	The paper is organized with paragraphs that flow logically , and contain few (<3) errors in spelling, grammar or punctuation. [1.0 pts]	The paper is organized , but paragraphs do not flow logically and/or contain many errors (4-10) in spelling, grammar or punctuation. [.75 pts]	The paper is disorganized with paragraphs that are weakly developed and/or significant errors (>10) in spelling, grammar or punctuation. [.5 pts]□	The paper is disorganized with paragraphs that are extremely underdeveloped , and/or significant errors (>10) in spelling, grammar or punctuation. [o pts]	

6. Students will be able to clearly write an appropriate INTRODUCTION to the MAIN REPORT.	The introduction contains all of the following: A brief overview and context is provided for the reader. Background information provided and referenced A convincing argument is provided as to why this project is necessary The purpose is clear and controlling feature of the paper. [15.0 pts]	The introduction contains three of the following: A brief overview and context is provided for the reader. Background information provided and referenced A convincing argument is provided as to why this project is necessary The purpose is clear and controlling feature of the paper. [10.0 pts]	The introduction contains two of the following: A brief overview and context is provided for the reader. Background information provided and referenced A convincing argument is provided as to why this project is necessary The purpose is clear and controlling feature of the paper. [7.5 pts]□	The introduction contains one of the following: A brief overview and context is provided for the reader. Background information provided and referenced A convincing argument is provided as to why this project is necessary The purpose is clear and controlling feature of the paper. [5 pts]□	The introduction contains none of the following: A brief overview and context is provided for the reader. Background information provided and referenced A convincing argument is provided as to why this project is necessary The purpose is clear and controlling feature of the paper. [o pts]	
7. Students will be able to clearly write an appropriate LITERATURE REVIEW. This may be contained in the introduction, if appropriate	The literature review contains all of the following: Cite credible sources. Define major concepts clearly. Summarize major concepts. Make connections across articles, authors, and concepts. [5 pts]□	The literature review contains three of the following: Cite credible sources. Define major concepts clearly. Summarize major concepts. Make connections across articles, authors, and concepts. [4 pts]□	The literature review contains two of the following: Cite credible sources. Define major concepts clearly. Summarize major concepts. Make connections across articles, authors, and concepts. [3.0 pts]	The literature review contains one of the following: Cite credible sources. Define major concepts clearly. Summarize major concepts. Make connections across articles, authors, and concepts. [2.0 pts]	The literature review contains none of the following: Cite credible sources. Define major concepts clearly. Summarize major concepts. Make connections across articles, authors, and concepts. [o pts]□	
8. Students will be able to clearly write an appropriate METHODS section.	The introduction contains all of the following: Complete description of how project was completed in terms that a peer could complete it Description of design and fabrication Description of how design was analyzed (e.g., finite element, mathematical, etc.). Description of data collection and analysis. [10 pts]□	The introduction contains three of the following: Complete description of how project was completed in terms that a peer could complete it Description of design and fabrication Description of how design was analyzed (e.g., finite element, mathematical, etc.). Description of data collection and analysis. [8.0 pts]□	The introduction contains two of the following: Complete description of how project was completed in terms that a peer could complete it Description of design and fabrication Description of how design was analyzed (e.g., finite element, mathematical, etc.). Description of data collection and analysis. [6 pts]□	The introduction contains one of the following: Complete description of how project was completed in terms that a peer could complete it Description of design and fabrication Description of how design was analyzed (e.g., finite element, mathematical, etc.). Description of data collection and analysis. [2 pts]□	The introduction contains none of the following: Complete description of how project was completed in terms that a peer could complete it Description of design and fabrication Description of how design was analyzed (e.g., finite element, mathematical, etc.). Description of data collection and analysis. [o pts]	
9. Students will be able to show competence in the technical aspects (grammar & style) of writing for INTRO, L.R., & METHODS.	The paper is highly organized with paragraphs that are well written, flow logically and are without spelling, grammar, punctuation errors. [1.5 pts]	The paper is organized with paragraphs that flow logically , and contain few (<3) errors in spelling, grammar or punctuation. [1.0 pts]	The paper is organized , but paragraphs do not flow logically and/or contain many errors (4-10) in spelling, grammar or punctuation. [.75 pts]	The paper is disorganized with paragraphs that are weakly developed and/or significant errors (>10) in spelling, grammar or punctuation. [.5 pts]□	The paper is disorganized with paragraphs that are extremely underdeveloped , and/or significant errors (>10) in spelling, grammar or punctuation. [o pts]	
10. Students will be able to clearly write an appropriate RESULTS section.	The RESULTS section contains all of the following: Comprehensive summary of results obtained Complete analysis of results Appropriate figures and tables. Tables and figures formatted correctly [20.0 pts]□	The RESULTS section contains: Comprehensive summary of results obtained Some analysis of results Appropriate figures and tables. Tables and figures formatted correctly [15.0 pts]□	The RESULTS section contains: Moderate summary of results obtained Some analysis of results Appropriate figures and tables. Tables and figures formatted correctly [10 pts]□	The RESULTS section contains: Basic summary of results obtained Minimal analysis of results Appropriate figures and tables. Tables and figures formatted correctly [5.0 pts]□	The RESULTS section contains none of the following: Basic summary of results obtained Minimal analysis of results Appropriate figures and tables. Tables and figures formatted correctly [o pts]□	

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11. Students will be	The DISCUSSION section	The DISCUSSION section	The DISCUSSION section	The DISCUSSION section	The DISCUSSION section
able to write an	contains all of the following:	contains at least 3 of the	contains at least 3 of the	contains at least 2 of the	contains none of the following:
appropriate	Summary of the purpose	following:	following:	following:	Summary of the purpose
discussion section	Comprehensive comparison	Summary of the purpose	Summary of the purpose	Summary of the purpose	Comparison of results to
	of results to previous	Semi-comprehensive	Acceptable comparison of	Minimal comparison of	previous literature/work
	literature/work	comparison of results to	results to previous	results to previous	limitations of the work
	limitations of the work	previous literature/work	literature/work	literature/work	future work
	future work	limitations of the work	limitations of the work	limitations of the work	
	[20.0 pts]□	future work	future work	future work	o pts]□
		[15.0 pts]	[10.0 pts]	[5.0 pts]	1 -
	The CONCLUSION	The CONCLUSION	The CONCLUSION	The CONCLUSION	The CONCLUSION
12. Students will be	thoroughly evaluates and	thoroughly evaluates and	thoroughly evaluates and	thoroughly evaluates and	thoroughly evaluates and
able to formulate	organizes all of the following:	organizes three of the	organizes two of the	organizes one of the	organizes none of the
CONCLUSIONS	Summarize main points.	following:	following:	following:	following:
logically tied to	Avoid new information.	Summarize main points.	Summarize main points.	Summarize main points.	Summarize main points.
their analysis of	Answer the "so what"	Avoid new information.	Avoid new information.	Avoid new information.	Avoid new information.
the use of theory or	question (refers back to	Answer the "so what"	Answer the "so what"	Answer the "so what"	Answer the "so what"
model to guide	purpose).	question (refers back to	question (refers back to	question (refers back to	question (refers back to
research of a	Discuss how managers or	purpose).	purpose).	purpose).	purpose).
problem.	researchers can use the	Discuss how managers or	Discuss how managers or	Discuss how managers or	Discuss how managers or
problem.	findings.	researchers can use the	researchers can use the	researchers can use the	researchers can use the
	[3.0 pts]	findings.	findings.	findings.	findings.
	[3.0 pts]	Indings.			
	m1 '1+11	[2.0 pts] 🗖	[1.5 pts] 🗆	[1.0 pts]	[o pts]
13. Students will be able to show competence in the	The paper is highly organized with paragraphs that are well written, flow logically and are without	The paper is organized with paragraphs that flow logically , and contain few (<3) errors in spelling,	The paper is organized , but paragraphs do not flow logically and/or contain many errors (4-10) in	The paper is disorganized with paragraphs that are weakly developed and/or significant errors (>10) in	The paper is disorganized with paragraphs that are extremely underdeveloped , and/or
technical aspects (grammar & style) of writing for RESULTS, DISCUSSION & CONC.	spelling, grammar, punctuation errors. [1.5 pts]□	[1.0 pts]	spelling, grammar or punctuation. .75 pts]	spelling, grammar or punctuation. [.5 pts]	significant errors (>10) in spelling, grammar or punctuation. [o pts]□
14. REFERENCES are in accordance with IEEE Style standards.	Reference page has all of the following: Centered References title Numbered in order of appearance references Hanging Indentation Correct use of IEEE Style for reference page sources.	The reference page is organized, and contains few (<2) of the same errors . [1.5 pts]□	The reference page is organized, and contains many (3-5) of the same errors . [1.0 pts]□	The reference page is organized, and contains significantly errors (>5) [.5 pts]□	No reference page provided. [o pts]□
	[2.0 pts] □				
15. One or more	Has an Appendix if necessary	N/A	N/A	N/A	Does not have an Appendix
APPENDICES are provided if necessary (e.g.,	with the survey instrument. [5.0 pts]				[o pts]
code written, raw					
data, etc.).					

Additional Comments: