

ILO #2 Critical Thinking and Problem Solving: Students will be able to think critically and solve problems by identifying relevant information, evaluating alternatives, synthesizing findings and implementing effective solutions.

CRITICAL THINKING				
Criteria	Accomplished	Satisfactory	Unsatisfactory	N/A (instructor can check if not applicable to their assignment)
Abstract (explanation of issues)	Provides context, clearly defines the issue or problem, and presents relevant background information	defines the issue or problem but lacks clarity or does not provide enough context.	Does not define the issue or problem. Minimal background information provided, or the information provided is not relevant to the situation.	
Evidence	presents well-chosen evidence from multiple reputable or peer-reviewed sources that help develop a comprehensive analysis	some evidence is presented, but it could be more complete or relevant	insufficient or irrelevant evidence is presented	
Argument/Polemic	reasoning is clear/points are presented with valid logic/ statements follow from the evidence	reasoning is presented but could be clearer/points are presented but are not very organized/statements are not completely supported by the evidence	reasoning is muddled/points are illogical/unsupported statements	
Conclusions/ implications/ consequences	conclusions are clear and are consistent with the argument or evidence	conclusions/implications lack some clarity, conclusion was not fully supported by the argument or evidence	conclusions seem to be pulled out of their asses	

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PROBLEM SOLVING				
Criteria	Accomplished	Satisfactory	Unsatisfactory	N/A (instructor can check if not applicable to their assignment)
Identify Necessary Tools and Formulas/ interpret the problem/develop a strategy	situation/problem/tools/formulas/strategy are clearly identified in an organized manner	situation/problem/tools/formulas/strategy is at least minimally defined	situation is either somewhat or not defined and identification of problem is either not present or vague	
Solve/demonstrate reasoning	work is complete and clearly shown in a logical manner.	minor mistakes or some steps skipped, but has the correct general idea	work is incomplete or significantly incorrect	
Uses representations (diagrams, graphs, tables, drawings) to communicate problem and solution	uses clear representation to communicate an understanding of the problem within the context/situation	uses a minimal representation to communicate an understanding of the problem within the context/situation	Uses an inappropriate representation that gives little or no information about the problem within the context/situation	
Reflect on conclusion/does answer make sense?	reflection is correct, reasoning makes sense, shows some insight	Attempts to reflect on answer but reflection lacks detail	reflection not done or shows little to no understanding	