Completion Rubric

Rubric for Principles of Applied Engineering-1

Criteria	Grading Scale				
Completed	4			1	
	Yes			Not Yet	
STEM.9-10.1.E	4	3	2	1	0
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours

Rubric for Engineering Design & Presentation I-1

Criteria	Grading Scale				
Completed	4			1	
	Yes				
STEM.10-12.1.E	4	3	2	1	0
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours

Rubric for Engineering Design & Problem Solving-1

Criteria	Grading Scale				
Completed	4			1	
	Yes			Not Yet	
STEM.11-12.1.E	4	3	2	1	0
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours

Rubric for Practicum in STEM-1

Criteria	Grading Scale				
Completed	4			1	
	Yes			Not Yet	
STEM.12.1.E	4	3	2	1	0
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours

Portfolio Video Rubric

Rubric for Engineering Design & Presentation I-1-2

Criteria	Grading Scale				
STEM.9-10.3.A	4	3	2	1	
use clear and concise written, verbal, and visual communication techniques;	Excellent: Engaging video that fully captures the learning and story. Editing produces a high quality video that is appropriate for showcasing.	Good:	Satisfactory: Video follows all instructions and is of satisfactory quality in editing, story, and communication.	Needs Improvement:	
STEM.9-10.1.C	4	3	2	1	
present written and oral communication in a clear, concise, and effective manner, including explaining and justifying actions;	Excellent: Story is conveyed very well. All elements are cohesive and related. Goes beyond just the requirements	Good:	Satisfactory: Story told by the video is complete. Additional story points are not included or not cohesive.	Needs Improvement:	
STEM.9-10.1.E	4	3	2	1	0
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours

Rubric for Engineering Design & Presentation I-5

Criteria	Grading Scale				
STEM.10-12.2.J	4	3	2	1	

Peer Reply Discussion Board Rubric

Rubric for Principles of Applied Engineering-1-1

Criteria	Grading Scale			
STEM.9-10.1.C	4	3	2	1
present written and oral communication in a clear, concise, and effective manner;	Excellent: Answers the prompt with accurate and complete information. The discussion displays an obvious and thorough understanding of the material presented through direct reference in the discussion text.	Good	Satisfactory: Answers the prompt with accurate, but minimal information. Does not clearly display a full understanding of the material.	Needs Improvement
STEM.9-10.1.B	4	3	2	1
show the ability to cooperate, contribute, and collaborate as a member of a group in an effort to achieve a positive collective outcome;	Excellent: The peer replies are thoughtful, complete, and include additional information. The replies work to build collective understanding and growth.	Good	Satisfactory: The peer replies are cordial, but are not useful in building collective understanding and growth.	Needs Improvemen Not Yet
STEM.9-10.1.E	4	3	2	1
Demonstrate punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date

Rubric for Engineering Design & Presentation I-1-1

Criteria	Grading Scale			
STEM.10-12.1.C	4	3	2	1
present written and oral communication in a clear, concise, and effective manner, including explaining and justifying actions;	Excellent: Answers the prompt with accurate and complete information. The discussion displays an obvious and thorough understanding of the material presented through direct reference in the discussion text.	Good	Satisfactory: Answers the prompt with accurate, but minimal information. Does not clearly display a full understanding of the material.	Needs Improvement: Not Yet
STEM.10-12.1.B	4	3	2	1
cooperate, contribute, and collaborate as a member of a group in an effort to attain agreement and achieve a collective outcome;	Excellent: The peer replies are thoughtful, complete, and include additional information. The replies work to build collective understanding and growth.	Good	Satisfactory: The peer replies are cordial, but are not useful in building collective understanding and growth.	Needs Improvement: Not Yet
STEM.10-12.1.E	4	3	2	1
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date

Rubric for Engineering Design & Problem Solving-1-1

Criteria	Grading Scale			
STEM.11-12.1.C	4	3	2	1
present written and oral communication in a clear, concise, and effective manner;	Excellent: Answers the prompt with accurate and complete information. The discussion displays an obvious and thorough understanding of the material presented through direct reference in the discussion text.	Good	Satisfactory: Answers the prompt with accurate, but minimal information. Does not clearly display a full understanding of the material.	Needs Improvement Not Yet
STEM.11-12.1.B	4	3	2	1
show the ability to cooperate, contribute, and collaborate as a member of a group in an effort to achieve a positive collective outcome;	Excellent: The peer replies are thoughtful, complete, and include additional information. The replies work to build collective understanding and growth.	Good	Satisfactory: The peer replies are cordial, but are not useful in building collective understanding and growth.	Needs Improvement Not Yet
STEM.11-12.1.E	4	3	2	1
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date

Rubric for Practicum in STEM-1-1

Criteria	Grading Scale			
STEM.12.1.C	4	3	2	1

demonstrate effective oral and written communication skills using a variety of software applications and media; and	Excellent: Engaging video that fully captures the	Good:	Satisfactory: Video follows all	Needs Improvement:	
media, and	learning and story. Editing produces a high quality video that is appropriate for showcasing.		instructions and is of satisfactory quality in editing, story, and communication.		
STEM.10-12.1.C	4	3	2	1	
present written and oral communication in a clear, concise, and effective manner, including explaining and justifying actions;	Excellent: Story is conveyed very well. All elements are cohesive and related. Goes beyond just the requirements	Good:	Satisfactory: Story told by the video is complete. Additional story points are not included or not cohesive.	Needs Improvement:	
STEM.10-12.1.E	4	3	2	1	0
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time Rubric	Good: for Engineering De	Satisfactory: minimal attempt submitted on time esign & Problem So	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours
Criteria	Grading Scale				
STEM.11-12.1.C	4	3	2	1	
present written and oral communication in a clear, concise, and effective manner, including explaining and justifying actions;	Excellent: Story is conveyed very well. All elements are cohesive and related. Goes beyond just the requirements	Good:	Satisfactory: Story told by the video is complete. Additional story points are not included or not cohesive.	Needs Improvement:	
STEM.11-12.6.D	4	3	2	1	
organize information for visual display and analysis using appropriate formats for various audiences, including graphs and tables	Excellent: Engaging video that fully captures the learning and story. Editing produces a high quality video that is appropriate for showcasing.	Good:	Satisfactory: Video follows all instructions and is of satisfactory quality in editing, story, and communication.	Needs Improvement:	
STEM.10-12.1.E	4	3	2	1	0
complete a consistent demonstration of punctuality, dependability, reliability, and responsibility in reporting for duty and performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours
		Dubrio for Broo	ticum in STEM-5		
		hubiic idi Fiaci	licuiti ili STLIVI-3		
Criteria	Grading Scale	nublic for Flac	ticum in 31 Livi-3		
Criteria STEM.12.1.C	Grading Scale	3	2	1	

Criteria	Grading Scale				
STEM.12.1.C	4	3	2	1	
resent written and oral communication in a clear, concise, and effective manner;	Excellent: Story is conveyed very well. All elements are cohesive and related. Goes beyond just the requirements	Good:	Satisfactory: Story told by the video is complete. Additional story points are not included or not cohesive.	Needs Improvement:	
STEM.12.4.B	4	3	2	1	
employ verbal skills when obtaining and conveying information;	Excellent: Engaging video that fully captures the learning and story. Editing produces a high quality video that is appropriate for showcasing.	Good:	Satisfactory: Video follows all instructions and is of satisfactory quality in editing, story, and communication.	Needs Improvement:	
STEM.12.1.E	4	3	2	1	0
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours

Criteria	Grading Scale			
present written and oral communication in a clear, concise, and effective manner;	Excellent: Answers the prompt with accurate and complete information. The discussion displays an obvious and thorough understanding of the material presented through direct reference in the discussion text.	Good	Satisfactory: Answers the prompt with accurate, but minimal information. Does not clearly display a full understanding of the material.	Needs Improvement: Not Yet
STEM.12.1.B	4	3	2	1
show the ability to cooperate, contribute, collaborate, and accept constructive criticism as a member of a group in an effort to achieve a positive collective outcome;	Excellent: The peer replies are thoughtful, complete, and include additional information. The replies work to build collective understanding and growth.	Good	Satisfactory: The peer replies are cordial, but are not useful in building collective understanding and growth.	Needs Improvement: Not Yet
STEM.12.1.E	4	3	2	1
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date

Basic Discussion Board Rubric

Rubric for Principles of Applied Engineering-4

Criteria	Grading Scale			
STEM.9-10.1.C	4	3	2	1
present written and oral communication in a clear, concise, and effective manner;	Excellent: Answers the prompt with accurate and complete information. The discussion displays an obvious and thorough understanding of the material presented through direct reference in the discussion text.	Good	Satisfactory: Answers the prompt with accurate, but minimal information. Does not clearly display a full understanding of the material.	Needs Improvement: Not Yet
STEM.9-10.1.E	4	3	2	1
Demonstrate punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date

Rubric for Engineering Design & Presentation I-6

Criteria	Grading Scale			
STEM.10-12.1.C	4	3	2	1
present written and oral communication in a clear, concise, and effective manner, including explaining and justifying actions;	Excellent: Answers the prompt with accurate and complete information. The discussion displays an obvious and thorough understanding of the material presented through direct reference in the discussion text.	Good	Satisfactory: Answers the prompt with accurate, but minimal information. Does not clearly display a full understanding of the material.	Needs Improvement: Not Yet
STEM.10-12.1.E	4	3	2	1
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date

Rubric for Engineering Design & Problem Solving-6

Criteria	Grading Scale			
STEM.11-12.1.C	4	3	2	1
present written and oral communication in a clear, concise, and effective manner;	Excellent: Answers the prompt with accurate and complete information. The discussion displays an obvious and thorough understanding of the material presented through direct reference in the discussion text.	Good	Satisfactory: Answers the prompt with accurate, but minimal information. Does not clearly display a full understanding of the material.	Needs Improvement: Not Yet
STEM.11-12.1.E	4	3	2	1

demonstration	Excellent:	Good:	Catiofactors	Needs
punctuality,			Satisfactory:	Improvement:
dependability,	Fully Acceptable	for Practicum in S	minimal attempt	
Criteria	Grading Scale			
STEM.12.1.C	4	3	2	1
present written and oral communication in a clear, concise, and effective manner;	Excellent: Answers the prompt with accurate and complete	Good	Satisfactory: Answers the prompt with accurate, but minimal information.	Needs Improvement Not Yet
	information. The discussion displays an obvious and thorough understanding of the material presented through direct reference in the discussion text.		Does not clearly display a full understanding of the material.	
STEM.12.1.E	4	3	2	1
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date

CBL Scheduli

Rubric for Principles of Applied Engineering-2

Criteria	Grading Scale		
STEM.9-10.6.A	4	3	
identify and describe the fundamental processes needed for a project, including the design process and prototype development and initiating, planning, executing, monitoring and controlling, and closing a project;	Excellent: The project plan is obvious and shows reasonable likelihood to provide equitable and logical assignments for all team members. The steps and assignments are mostly clear and objective. The steps clearly align to the project goal, include clear dependencies and reasonable time allotments. The plan includes provisions for unforeseen circumstances that are flexible, but not overly lenient.	Good	
STEM.9-10.1.E	4	3	
Demonstrate punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	

Rubric for Engineering Design & Presentation I-2

Criteria	Grading Scale		
STEM.10-12.4.B	4	3	
develop a project schedule and complete work according to established criteria;	Excellent: The project plan is obvious and shows reasonable likelihood to provide equitable and logical assignments for all team members. The steps and assignments are mostly clear and objective. The steps clearly align to the project goal, include clear dependencies and reasonable time allotments. The plan includes provisions for unforeseen circumstances that are flexible, but not overly lenient.	Good	
STEM.10-12.1.E	4	3	
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	

Rubric for Engineering Design & Problem Solving-2

Criteria	Grading Scale		
STEM.11-12.9.B	4	3	
develop a plan and project schedule for completion of a project;	Excellent: The project plan is obvious and shows reasonable likelihood to provide equitable and logical assignments for all team members. The steps and assignments are mostly clear and objective. The steps clearly align to the project goal, include clear dependencies and reasonable time allotments. The plan includes provisions for unforeseen circumstances that are flexible, but not overly lenient.	Good	
STEM.11-12.1.E	4	3	
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	

Rubric for Practicum in STEM-2				
Criteria	Grading Scale			
STEM.12.1.D	4	3		

ePortfolio Basic Updates Rubric Rubric for Principles of Applied Engineering-1-1-1

Criteria		Criteria	Grading Scale				
STEM.9-10.1.C		STEM.9-10.3.A	4	3	2	1	
oresent written and oral communication in a clear, concise, and effective manner;		use clear and concise written, verbal, and visual communication techniques;	Excellent: Presentation of content is clear, concise, and well organized. Thoughts are expressed in a coherent and logical manner. Images, audio, and related media enhance the message. The presentation of content is effectively	adequately clear, concise, and organized. Minor issues with coherence and logic interfere with the way thoughts are expressed. Minor	Satisfactory: Minor problems are present that interfere with the clarity, structure organization of your message. Minor problems with coherence and logic interfere with the way thoughts are expressed. Minor problems with	Major problems make unclear and/or disorg not expressed in a comanner. Images, aud detract from the presentation of conteinto the website organ avigational structure presentation messag or syntax errors signithat the message is a	e the presentation panized. Thoughts oberent and logica io, and related me entation message ent fit and integrati nizational, e interfere with the e. Spelling, gramm ficantly detract so
STEM.9-10.1.B			integrated into the website and fits	issues with Images, audio, and related	Images, audio, and related media.		
show the ability to cooperate, contribute, and collaborate as a member of a group in an effort to achieve a positive collective outcome;			within the organization and navigation structure. If spelling, grammar, or syntax errors exist, they are minimal and do not detract from the message.	media. Minor issues with the presentation of	Minor problems with the presentation of content, fit and integration into the website and its organization and navigation structure. Spelling, grammar, or syntax errors detract from the message.		
STEM.9-10.1.E	0	STEM.9-10.1.C	4	3	2	1	
Demonstrate punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Later than 24 hours	present written and oral communication in a clear, concise, and effective manner;	Excellent: Fully and clearly documents work with assessments of the work done in relation to the projects and expectations	Good	Satisfactory: Minimally documents the work with minimal self-reflection.	Needs Improvement: Not Yet	
		STEM.9-10.1.E	4	3	2	1	0
Criteria STEM.10-12.1.C present written and oral communication in a clear, concise, and effective		Demonstrate punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hou

manner, including explaining and justifying actions;

STEM.10-12.1.B

cooperate, contribute, and collaborate as a member of a group in an effort to attain agreement and achieve a collective

outcome;

STEM.10-12.1.E

assigned tasks as

STEM.11-12.1.C

STEM.11-12.1.B

show the ability to

collaborate as a member of a group

STEM.11-12.1.E

demonstration punctuality, dependability,

reliability, and responsibility in performing

Criteria

STEM.12.1.C

assigned tasks as directed.

Later than 24 hours

in an effort to achieve a positive collective outcome;

cooperate, contribute, and

present written and oral communication in a clear, concise, and effective manner;

Later than 24 hours

Criteria

Grading Scale

demonstration

punctuality, dependability, reliability, and responsibility in performing

directed.

Criteria

Rubric for Engineering Design & Presentation I-1-1-1

Criteria	Grading Scale				
STEM.10-12.2.J	4	3	2	1	
demonstrate effective oral and written communication skills using a variety of software applications and media; and	Excellent: Presentation of content is clear, concise, and well organized. Thoughts are expressed in a coherent and logical manner. Images, audio, and related media enhance the message. The presentation of content is effectively integrated into the website and fits within the organization and navigation structure. If spelling, grammar, or syntax errors exist, they are minimal and do not detract from the message.	Minor issues are present but the presentation of content is adequately clear, concise, and organized. Minor issues with coherence and logic interfere with the way thoughts are expressed. Minor issues with Images, audio, and related media. Minor issues with the presentation of content, fit and integration into the website and its organization and navigation structure. Spelling, grammar, or syntax errors detract from the message.	Satisfactory: Minor problems are present that interfere with the clarity, structure organization of your message. Minor problems with coherence and logic interfere with the way thoughts are expressed. Minor problems with Images, audio, and related media. Minor problems with the presentation of content, fit and integration into the website and its organization and navigation structure. Spelling, grammar, or syntax errors detract from the message.	not expressed in a comanner. Images, aud detract from the presentation of conteinto the website organavigational structure	e the presentation ganized. Thoughts are oherent and logical lio, and related media sentation message ent fit and integration unizational, e interfere with the le. Spelling, grammar, ficantly detract so
STEM.10-12.1.C	4	3	2	1	
present written and oral communication in a clear, concise, and effective manner, including explaining and justifying actions;	Excellent: Fully and clearly documents work with assessments of the work done in relation to the projects and expectations	Good	Satisfactory: Minimally documents the work with minimal self-reflection.	Needs Improvement: Not Yet	
STEM.10-12.1.E	4	3	2	1	0
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours

Rubric for Engineering Design & Problem Solving-1-1-1

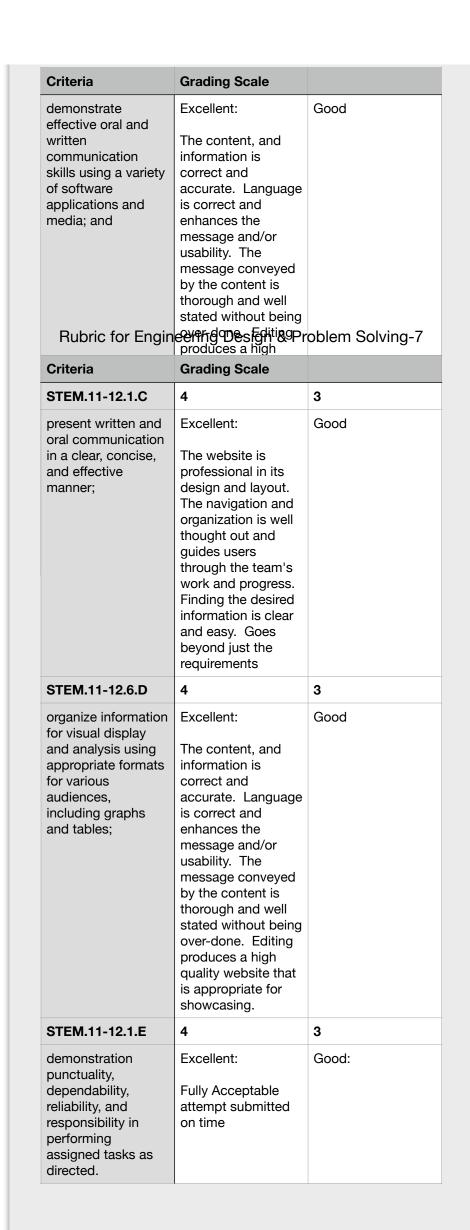
STEM.11-12.6.D	4	3	2	1

Critoria		Cuitouia	Grading Co.				
Criteria present written and		Criteria organize information	Grading Scale Excellent:	Good:	Satisfactory:	Needs Improvement:	
oral communication in a clear, concise, and effective manner;		for visual display and analysis using appropriate formats for various audiences, including graphs and tables;	Presentation of content is clear, concise, and well organized. Thoughts are expressed in a coherent and logical manner. Images, audio, and related media enhance the message. The presentation of content is effectively integrated into the	Minor issues are present but the presentation of content is adequately clear, concise, and organized. Minor issues with coherence and logic interfere with the way thoughts are expressed. Minor issues with Images,	Minor problems are present that interfere with the clarity, structure organization of your message. Minor problems with coherence and logic interfere with the way thoughts are expressed. Minor problems with Images, audio, and	Major problems make unclear and/or disorg not expressed in a comanner. Images, aud detract from the presentation of conteinto the website organavigational structure.	e the presentation ganized. Thoughts are oberent and logical lio, and related media sentation message ent fit and integration unizational, e interfere with the le. Spelling, grammar, ificantly detract so
show the ability to cooperate, contribute, collaborate, and accept constructive criticism as a member of a group in an effort to achieve a positive collective outcome; STEM.12.1.E	0		website and fits within the organization and navigation structure. If spelling, grammar, or syntax errors exist, they are minimal and do not detract from the message.	audio, and related media. Minor issues with the presentation of content, fit and integration into the website and its organization and navigation structure. Spelling, grammar, or syntax errors detract from the message.	related media. Minor problems with the presentation of content, fit and integration into the website and its organization and navigation structure. Spelling, grammar, or syntax errors detract from the message.		
demonstration	Later than 24 hours	STEM.11-12.1.C present written and	Excellent:	3 เรียงเรา for Practic	2 USBatilet Set of M-1-1-1	Needs Improvement:	
punctuality, dependability, reliability, and		oral communication Criteria	Grading Scale		,	, , , , , , , , , , , , , , , , , , ,	
responsibility in performing		STEM.12.4.G	4	3	2	1	
assigned tasks as directed.		use academic skills to facilitate effective	Excellent:	Good:	Satisfactory:	Needs Improvement:	
		written and oral communication.	Presentation of content is clear, concise, and well organized. Thoughts are expressed in a coherent and logical manner. Images, audio, and related	Minor issues are present but the presentation of content is adequately clear, concise, and organized. Minor issues with	Minor problems are present that interfere with the clarity, structure organization of your message. Minor problems with coherence and logic	not expressed in a comanner. Images, aud detract from the presentation of conteinto the website organavigational structure	ganized. Thoughts are oberent and logical lio, and related media sentation message ent fit and integration unizational, e interfere with the
Criteria			media enhance the message. The presentation of content is effectively integrated into the website and fits within the organization and navigation structure. If spelling, grammar, or syntax errors exist, they are minimal and do not detract from the	coherence and logic interfere with the way thoughts are expressed. Minor issues with Images, audio, and related media. Minor issues with the presentation of content, fit and integration into the website and its organization and navigation structure.	interfere with the way thoughts are expressed. Minor problems with Images, audio, and related media. Minor problems with the presentation of content, fit and integration into the website and its organization and navigation structure. Spelling, grammar,	presentation messag or syntax errors signi that the message is u	-
STEM.9-10.1.C present written and			message.	Spelling, grammar, or syntax errors	or syntax errors detract from the		
oral communication in a clear, concise,				detract from the message.	message.		
and effective manner;		STEM.12.1.C	4	3	2	1	
		present written and oral communication in a clear, concise, and effective manner;	Fully and clearly documents work with assessments of the work done in relation to the projects and expectations	Good	Satisfactory: Minimally documents the work with minimal self-reflection.	Needs Improvement: Not Yet	
STEM.9-10.1.E	0	STEM.12.1.E	4	3	2	1	0
Demonstrate punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Later than 24 hours	demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours
Criteria							
STEM.10-12.1.C							
present written and oral communication in a clear, concise, and effective manner, including explaining and justifying actions;							
STEM.10-12.1.E demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	0 Later than 24 hours						
Criteria							
present written and oral communication in a clear, concise, and effective manner;							
STEM.11-12.1.E	0						

Criteria	Grading Scale	
demonstrate time- management skills in prioritizing tasks, following schedules, and performing goal-relevant activities in a way that produces efficient results;	Excellent: The project plan is obvious and shows reasonable likelihood to provide equitable and logical assignments for all team members. The steps and assignments are mostly clear and objective. The steps clearly align to the project goal, include clear dependencies and reasonable time allotments. The plan includes provisions for unforeseen circumstances that are flexible, but not overly lenient.	Good
STEM.12.1.E	4	3
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:

Challenge Webs Rubric for Principles of Applied Engineering-5 Criteria **Grading Scale** 3 STEM.9-10.1.C Good present written and Excellent: oral communication in a clear, concise, The website is professional in its design and layout. The navigation and organization is well thought out and and effective manner; guides users through the team's work and progress. Finding the desired information is clear and easy. Goes beyond just the requirements STEM.9-10.3.A 3 use clear and Excellent: Good concise written, verbal, and visual The content, and communication information is techniques; correct and accurate. Language is correct and enhances the message and/or usability. The message conveyed by the content is thorough and well stated without being over-done. Editing produces a high quality website that is appropriate for showcasing. STEM.9-10.1.E 3 Excellent: Good: Demonstrate punctuality, Fully Acceptable attempt submitted on time dependability, reliability, and responsibility in performing assigned tasks as directed. Rubric for Engineering Design & Presentation I-7 Criteria **Grading Scale** STEM.10-12.1.C 3 present written and Excellent: Good oral communication in a clear, concise, The website is professional in its and effective design and layout. The navigation and manner; organization is well thought out and guides users through the team's work and progress. Finding the desired information is clear and easy. Goes beyond just the requirements STEM.10-12.2.J

Criteria	
demonstration punctuality, dependability,	Later than 24 hours
Criteria	
STEM.12.1.C	
present written and oral communication in a clear, concise, and effective manner;	
STEM.12.1.E	0
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Later than 24 hours



Rubric for Practicum in STEM-7

Criteria	Grading Scale	
STEM.12.1.C	4	3
present written and oral communication in a clear, concise, and effective manner;	Excellent: The website is professional in its design and layout. The navigation and organization is well thought out and guides users through the team's work and progress. Finding the desired information is clear and easy. Goes beyond just the requirements	Good
STEM.12.4.A	4	3
demonstrate the use of content, technical concepts, and vocabulary when analyzing information and following directions;	Excellent: The content, and information is correct and accurate. Language is correct and enhances the message and/or usability. The message conveyed by the content is thorough and well stated without being over-done. Editing produces a high quality website that is appropriate for showcasing.	Good
STEM.12.1.E	4	3
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:

ng Rubric

Criteria			
STEM.9-10.6.A	2	1	
identify and describe the fundamental processes needed for a project, including the design process and prototype development and initiating, planning, executing, monitoring and controlling, and closing a project;	Satisfactory: The project plan makes an obvious attempt to provide equitable and logical assignments for all team members. The steps and assignments are not usually clear and objective. The plan attempts to include a provision for unforeseen circumstances.	Needs Improvement: Not Yet	
STEM.9-10.1.E	2	1	0
Demonstrate punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours

Criteria			
STEM.10-12.4.B	2	1	
develop a project schedule and complete work according to established criteria;	Satisfactory: The project plan makes an obvious attempt to provide equitable and logical assignments for all team members. The steps and assignments are not usually clear and objective. The plan attempts to include a provision for unforeseen circumstances.	Needs Improvement: Not Yet	
STEM.10-12.1.E	2	1	0
demonstration punctuality, dependability, reliability, and responsibility in	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours

Criteria			
STEM.11-12.9.B	2	1	
develop a plan and project schedule for completion of a project;	Satisfactory: The project plan makes an obvious attempt to provide equitable and logical assignments for all team members. The steps and assignments are not usually clear and objective. The plan attempts to include a provision for unforeseen circumstances.	Needs Improvement Not Yet	
STEM.11-12.1.E	2	1	0
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours

Criteria

STEM.12.1.D

CBL Element Planning Rubric

Rubric for Principles of Applied Engineering-3

Criteria	Grading Scale				
STEM.9-10.1.D	4	3	2	1	
demonstrate time- management skills in prioritizing tasks, following schedules, and performing goal-relevant activities in a way that produces efficient results; and	Excellent: The planning work for the specified element is complete and goes beyond the minimum required information. The quality of the information shows a depth of research and understanding of the challenge and the problem at hand. The documentation is thorough and provides enough detailed information to suggest a successful completion of the element.	Good:	Satisfactory: The planning work for the specified element is complete and has all of the minimum required information. The quality of the information meets the minimum standards and all relates to the challenge.	Not Yet: Needs Improvement	
STEM.9-10.1.E	4	3	2	1	0
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours

Rubric for Engineering Design & Presentation I-3

Criteria	Grading Scale				
STEM.10-12.1.D	4	3	2	1	
use time- management skills in prioritizing tasks, following schedules, and tending to goal- relevant activities in a way that optimizes efficiency and results; and	Excellent: The planning work for the specified element is complete and goes beyond the minimum required information. The quality of the information shows a depth of research and understanding of the challenge and the problem at hand. The documentation is thorough and provides enough detailed information to suggest a successful completion of the element.	Good:	Satisfactory: The planning work for the specified element is complete and has all of the minimum required information. The quality of the information meets the minimum standards and all relates to the challenge.	Not Yet: Needs Improvement	
STEM.10-12.1.E	4	3	2	1	0
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours

Rubric for Engineering Design & Problem Solving-3

	0 11 0 1			-	
Criteria	Grading Scale				
STEM.11-12.1.D	4	3	2	1	
demonstrate time- management skills in prioritizing tasks, following schedules, and performing goal-relevant activities in a way that produces efficient results; and	Excellent: The planning work for the specified element is complete and goes beyond the minimum required information. The quality of the information shows a depth of research and understanding of the challenge and the problem at hand. The documentation is thorough and provides enough detailed information to suggest a successful completion of the element.	Good:	Satisfactory: The planning work for the specified element is complete and has all of the minimum required information. The quality of the information meets the minimum standards and all relates to the challenge.	Not Yet: Needs Improvement	
STEM.11-12.1.E	4	3	2	1	0
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours

Rubric for Practicum in STEM-3

Criteria Gra	rading Scale				
STEM.12.1.D 4		3	2	1	

Rubric for Engineering Design &

Criteria	Grading Scale
STEM.10-12.1.C	4
present written and oral communication in a clear, concise, and effective manner;	Excellent: The website is professional in its design and layout. The navigation and organization is well thought out and guides users through the team's work and progress. Finding the desired information is clear and easy. Goes beyond just the requirements
STEM.10-12.2.J	4
demonstrate effective oral and written communication skills using a variety of software applications and media; and	Excellent: The content, and information is correct and accurate. Language is correct and enhances the message and/or usability. The message conveyed by the content is thorough and well stated without being over-done. Editing produces a high quality website that is appropriate for showcasing.
STEM.10-12.1.E	4
complete a consistent demonstration of punctuality, dependability, reliability, and responsibility in reporting for duty and performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time

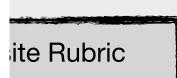
Rubric for Engineering Design &

Criteria	Grading Scale
STEM.11-12.1.C	4
present written and oral communication in a clear, concise, and effective manner;	Excellent: The website is professional in its design and layout. The navigation and organization is well thought out and guides users through the team's work and progress. Finding the desired information is clear and easy. Goes beyond just the requirements
STEM.11-12.6.D	4
organize information for visual display and analysis using appropriate formats for various audiences, including graphs and tables;	Excellent: The content, and information is correct and accurate. Language is correct and enhances the message and/or usability. The message conveyed by the content is thorough and well stated without being over-done. Editing produces a high quality website that is appropriate for showcasing.
STEM.11-12.1.E	4
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time

Rubric for Practicum in STEM-4				
Criteria	Grading Scale			
STEM.12.1.C	4			
present written and oral communication in a clear, concise, and effective manner;	Excellent: The website is professional in its design and layout. The navigation and organization is well thought out and guides users through the team's work and progress. Finding the desired information is clear and easy. Goes beyond just the requirements			
STEM.12.4.A	4			

Criteria			
demonstrate time- management skills in prioritizing tasks, following schedules, and performing goal-relevant activities in a way that produces efficient results;	Satisfactory: The project plan makes an obvious attempt to provide equitable and logical assignments for all team members. The steps and assignments are not usually clear and objective. The plan attempts to include a provision for unforeseen circumstances.	Needs Improvement: Not Yet	
STEM.12.1.E	2	1	0
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours

Criteria	Grading Scale				
demonstrate time- management skills in prioritizing tasks, following schedules, and performing goal-relevant activities in a way that produces efficient results;	Excellent: The planning work for the specified element is complete and goes beyond the minimum required information. The quality of the information shows a depth of research and understanding of the challenge and the problem at hand. The documentation is thorough and provides enough detailed information to suggest a successful completion of the element.	Good:	Satisfactory: The planning work for the specified element is complete and has all of the minimum required information. The quality of the information meets the minimum standards and all relates to the challenge.	Not Yet: Needs Improvement	
STEM.12.1.E	4	3	2	1	0
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours



Criteria			
STEM.9-10.1.C	2	1	
present written and oral communication in a clear, concise, and effective manner;	Satisfactory: Website conveys the work of the challenge team in a manner that shows an attempt at organization. The navigation, curation, design choices, and placement may hinder usability, but does not distract from the message.	Needs Improvement: Not Yet	
STEM.9-10.3.A	2	1	
use clear and concise written, verbal, and visual communication techniques;	Satisfactory: The content, and information is correct and accurate. Language mistakes are minor and do not detract from the message or usability. The message conveyed by the content is brief and limited, but no so much as to cause confusion or misunderstanding.	Needs Improvement: Not Yet	
STEM.9-10.1.E	2	1	0
Demonstrate punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours

Criteria			
STEM.10-12.1.C	2	1	
present written and oral communication in a clear, concise, and effective manner;	Satisfactory: Website conveys the work of the challenge team in a manner that shows an attempt at organization. The navigation, curation, design choices, and placement may hinder usability, but does not distract from the message.	Needs Improvement: Not Yet	
STEM.10-12.2.J	2	1	

	R	eflection of Ski	ll Building Rubr	ic	
	Rub	ric for Principles of	f Applied Engineeri	ng-6	
Criteria	Grading Scale				
STEM.9-10.1.D	4	3	2	1	
demonstrate time- management skills in prioritizing tasks, following schedules, and performing goal-relevant activities in a way that produces efficient results; and	Excellent: Portfolio post fully explains, documents, and justifies all skills worked on and about to be worked on. Fully addresses any and all discrepancies from reflection to reflection	Good:	Satisfactory: Portfolio post provides and explanation of skills worked on and about to be worked, provides documentation to support decisions, and explains the reasoning for the skills.	Needs Improvement: Not ready yet.	
STEM.9-10.1.E	4	3	2	1	0
Demonstrate	Excellent:	Good:	Satisfactory:	Needs	Later than 24 hours
punctuality, dependability, reliability, and responsibility in reporting for duty and performing assigned tasks as directed.	Fully Acceptable attempt submitted on time		minimal attempt submitted on time	Improvement: Completed within 24 hours of due date	
	Rubri	c for Engineering [Design & Presentati	on I-8	
Criteria	Grading Scale				
STEM.10-12.2.E	4	3	2	1	
appropriate work habits;	Portfolio post fully explains, documents, and justifies all skills worked on and about to be worked on. Fully addresses any and all discrepancies from reflection to reflection		Portfolio post provides and explanation of skills worked on and about to be worked, provides documentation to support decisions, and explains the reasoning for the skills.	Not ready yet.	
STEM.10-12.1.E	4	3	2	1	0
complete a consistent demonstration of punctuality, dependability, reliability, and responsibility in reporting for duty and performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours
		for Engineering De	esign & Problem So	olving-8 -	
Criteria	Grading Scale	0		4	
STEM.11-12.9.E	Excellent:	Good:	2 Satisfactory:	Needs Improvement:	
identify and manage the resources needed to complete	Portfolio post fully explains, documents, and justifies all skills worked on and	GUU.	Satisfactory: Portfolio post provides and explanation of skills worked on and about to be worked, provides documentation to support decisions,	Not ready yet.	
a project	about to be worked on. Fully addresses any and all discrepancies from reflection to reflection		and explains the reasoning for the skills.		
a project STEM.11-12.1.E	on. Fully addresses any and all discrepancies from reflection to	3	reasoning for the	1	0
	on. Fully addresses any and all discrepancies from reflection to reflection	3 Good:	reasoning for the skills.	Needs Improvement: Completed within 24 hours of due date	0 Later than 24 hours
STEM.11-12.1.E demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as	on. Fully addresses any and all discrepancies from reflection to reflection 4 Excellent: Fully Acceptable attempt submitted		reasoning for the skills. 2 Satisfactory: minimal attempt	Needs Improvement: Completed within 24 hours of due	
STEM.11-12.1.E demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as	on. Fully addresses any and all discrepancies from reflection to reflection 4 Excellent: Fully Acceptable attempt submitted	Good:	reasoning for the skills. 2 Satisfactory: minimal attempt	Needs Improvement: Completed within 24 hours of due	
STEM.11-12.1.E demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as	on. Fully addresses any and all discrepancies from reflection to reflection 4 Excellent: Fully Acceptable attempt submitted	Good:	reasoning for the skills. 2 Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due	

Criteria			
demonstrate effective oral and written communication skills using a variety of software applications and media; and	Satisfactory: The content, and information is correct and accurate. Language mistakes are minor and do not detract from the message or usability. The message conveyed by the content is brief and limited, but no so much as to cause confusion or	Needs Improvement: Not Yet	
Criteria			
STEM.11-12.1.C	2	1	
present written and oral communication in a clear, concise, and effective manner;	Satisfactory: Website conveys the work of the challenge team in a manner that shows an attempt at organization. The navigation, curation, design choices, and placement may hinder usability, but does not distract from the message.	Needs Improvement: Not Yet	
STEM.11-12.6.D	2	1	
organize information for visual display and analysis using appropriate formats for various audiences, including graphs and tables;	Satisfactory: The content, and information is correct and accurate. Language mistakes are minor and do not detract from the message or usability. The message conveyed by the content is brief and limited, but no so much as to cause confusion or misunderstanding.	Needs Improvement: Not Yet	
STEM.11-12.1.E	2	1	0
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours

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STEM.12.1.C	2	1	
present written and oral communication in a clear, concise, and effective manner;	Satisfactory: Website conveys the work of the challenge team in a manner that shows an attempt at organization. The navigation, curation, design choices, and placement may hinder usability, but does not distract from the message.	Needs Improvement: Not Yet	
STEM.12.4.A	2	1	
demonstrate the use of content, technical concepts, and vocabulary when analyzing information and following directions;	Satisfactory: The content, and information is correct and accurate. Language mistakes are minor and do not detract from the message or usability. The message conveyed by the content is brief and limited, but no so much as to cause confusion or misunderstanding.	Needs Improvement: Not Yet	
STEM.12.1.E	2	1	0
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours

Criteria	Grading Scale				
Evaluate strengths and weaknesses in technical skill proficiency.	Excellent: Portfolio post fully explains, documents, and justifies all skills worked on and about to be worked on. Fully addresses any and all discrepancies from reflection to reflection	Good:	Satisfactory: Portfolio post provides and explanation of skills worked on and about to be worked, provides documentation to support decisions, and explains the reasoning for the skills.	Needs Improvement: Not ready yet.	
STEM.12.1.E	4	3	2	1	0
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Excellent: Fully Acceptable attempt submitted on time	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours

Challenge Website Rubric Criteria STEM.10-12.1.C 2 1 Satisfactory: Needs Improvement: present written and Good oral communication in a clear, concise, Website conveys Not Yet and effective the work of the challenge team in a manner; manner that shows an attempt at organization. The navigation, curation, design choices, and placement may hinder usability, but does not distract from the message. STEM.10-12.2.J 2 Satisfactory: Needs Improvement: demonstrate Good effective oral and Not Yet written The content, and communication information is skills using a variety correct and of software accurate. Language applications and mistakes are minor media; and and do not detract from the message or usability. The message conveyed by the content is brief and limited, but no so much as to cause confusion misunderstanding. STEM.10-12.1.E 2 0 1 Good: Satisfactory: Later than 24 hours complete a Needs consistent Improvement: demonstration of minimal attempt punctuality, submitted on time Completed within 24 hours of due dependability, reliability, and date responsibility in reporting for duty and performing assigned tasks as directed. Criteria STEM.11-12.1.C 2 1 Needs Improvement: Satisfactory: present written and Good oral communication Not Yet in a clear, concise, Website conveys and effective the work of the challenge team in a manner; manner that shows an attempt at organization. The navigation, curation, design choices, and placement may hinder usability, but does not distract from the message. STEM.11-12.6.D 2 Satisfactory: organize information Good Needs Improvement: for visual display and analysis using The content, and Not Yet appropriate formats information is for various correct and accurate. Language audiences, including graphs mistakes are minor and tables; and do not detract from the message or usability. The message conveyed by the content is brief and limited, but no so much as to cause confusion misunderstanding. STEM.11-12.1.E 2 1 demonstration Good: Satisfactory: Needs Later than 24 hours punctuality, Improvement: dependability, minimal attempt reliability, and submitted on time Completed within 24 hours of due responsibility in performing date assigned tasks as directed. Criteria STEM.12.1.C 2 present written and Good Satisfactory: Needs Improvement: oral communication in a clear, concise, Website conveys Not Yet and effective the work of the challenge team in a manner; manner that shows an attempt at organization. The navigation, curation, design choices, and placement may hinder usability, but does not distract from the message. STEM.12.4.A 2



Criteria				
demonstrate the use of content, technical concepts, and vocabulary when analyzing information and following directions;	Good	Satisfactory: The content, and information is correct and accurate. Language mistakes are minor and do not detract from the message or usability. The message conveyed by the content is brief and limited, but no so much as to cause confusion or misunderstanding.	Needs Improvement	::
STEM.12.1.E	3	2	1	0
demonstration punctuality, dependability, reliability, and responsibility in performing assigned tasks as directed.	Good:	Satisfactory: minimal attempt submitted on time	Needs Improvement: Completed within 24 hours of due date	Later than 24 hours