Rev. 5/12/2021

Submit completed form to tlbeaure@uncc.edu.

The William States Lee College of Engineering

Student Name		
Student Name		

SLO #1: Students analyze and evaluate advanced topics in engineering. Score Score 3 Criteria Oral Written Reports **Does Not Meet Expectations** Meets Expectations **Exceeds Expectations Presentations** Comprehensively describes the scope and Does not adequately describe the scope Adequately describes the scope and Describes the scope and context context of the problem; level of detail offers and context of the problem; important context of the problem; sufficient level o of the defined problem. additional breadth, depth, and/or new details are missing. detail is provided. insights. Does not adequately demonstrate Comprehensively describes existing and Adequately demonstrates knowledge of Demonstrates existing knowledge of existing and emerging emerging research on the topic; level of existing and emerging research on the knowledge and emerging research on the topic: important details detail offers additional breadth, depth, and/ research on the topic. topic; sufficient level of detail is provided are missing. or new insights. Comprehensively compares/contrasts Does not adequately compare/contrast Adequately compares/contrasts relevant relevant aspects of the topic; level of detail Compares and contrasts relevant relevant aspects of the topic; important aspects of the topic; sufficient level of in similarities and distinctions offers aspects of the topic. similarities or distinctions are missing. similarities and distinctions are provided additional breadth, depth, and/or new insights. Does not adequately evaluate the scope Adequately evaluates the scope of Comprehensively evaluates the scope of of analytical methods/tools and/or did no analytical methods/tools and selected analytical methods/tools and selected the Evaluates scope of analytical methods/tools and selects the select the most appropriate one; some the most appropriate one; all obvious most appropriate one; new or optional most appropriate one (s). viable options were not considered or options were considered and the best analytical tools were also considered and the best was not chosen. the best was chosen. was chosen. Comprehensively identifies assumptions Adequately identifies assumptions and Identifies assumptions and Does not adequately identify and constraints relevant to the analytical constraints relevant to the analytical constraints relevant to the assumptions and constraints relevant to method selected; assumptions and method selected; all obvious analytical methods/tools the analytical method selected; importan constraints beyond the obvious offer assumptions and constraints are selected. assumptions or constraints are missing. additional breadth, depth, and/or new identified. insights. Does not adequately develop an Comprehensively develops an appropriate Adequately develops an appropriate appropriate model for analysis; importan model for analysis; new and relevant Develops an appropriate model model for analysis; all obvious aspects aspects of the model are missing or aspects of the model offer additional for analysis. of the model are included and justified. extraneous aspects are included. breadth, depth, and/or new insights. Analyzes topic beyond the Does not adequately analyze topic at the Adequately analyzes topic at the MS/ Comprehensively analyzes topic at the MS/ previous level of coursework (BS MS/PhD level; important aspects of PhD level; sufficient level of analysis is PhD level; level of analysis offers additional or MS). analysis are missing. provided. breadth, depth, and/or new insights. Comprehensively evaluates topic at the Evaluates topic beyond the Does not adequately evaluate topic at Adequately evaluates topic at the MS/ MS/PhD level; level of evaluation offers previous level of coursework (BS the MS/PhD level; important aspects of PhD level: sufficient level of evaluation is additional breadth, depth, and/or new provided. or MS). evaluation are missing. insights. Comprehensively interprets results within Does not adequately interpret results Adequately interprets results within the Interprets results within the the scope and context of the defined within the scope and context of the scope and context of the defined scope and context of the defined problem; interpretation is complete, defined problem; interpretation is problem; interpretation is complete and problem. rational, and offers additional breadth, incomplete or lacks rationale. rational. depth, and/or new insights.

Score Written Reports	Criteria Does		1 Does Not Meet Expectations		2 Expectations	3 Exceeds Expectations		Score Oral Presentations		
	Makes appropriate recommendations and/or identifies next steps.	identify next step	and next steps are not justified based on		ndations and identifies re commensurate with	Makes recommendations and identifies next steps beyond the scope of the project but which have other relevance.				
SLO #1 TOTAL SCORE: Written Reports			SLO #1 TOTAL SCORE: Oral Presentations							
/ 30 Performance Target: 20/30			/ 30 Performance Target: 20/30							
SLO #2: Students communicate technical information.										
Written Communication			Oral Presentations							
Score Written Reports	Criteria	1 Does Not Meet Expectations	2 Meets Expectations	Score Oral Presentations	Criteria	1 Does Not Meet Expectations	Meets E	2 expectations		
		Does not conform to format specified by the Graduate School.	Conforms to format specified by the Graduate School.		Delivery follows a logical sequence.	Lacks a logical sequence; key aspects of the project are unclear and/or lack a unified rationale.	aspects of the	al sequence; key project are d present a unified		
		Does not conform to referencing format of the discipline.	Conforms to referencing format of the discipline.		Delivery is appropriately paced.	Does not engage audience; pace too fast or too slow.	Engages the audience at an appropriate pace.			
	coherence of writing is	Is not at a level expected of professional publications; needs extensive revision.	Is at a level expected of professional publications with minor or no revision.		Delivery presents a convincing argument.	Does not offer a convincing case; lacks substance and rationale based on scientific method.	Offers a convir substantive an on identified m	d rational based		
SLO #2 TOTAL SCORE: Written Reports			SLO #2 TOTAL SCORE: Oral Presentations							
/ 6 Performance Target: 6/6			/ 6 Performance Target: 6/6							
TOTAL SCORE: Written Reports			TOTAL SCORE: Oral Presentations							
	/ 36 Perfor	mance Target: 26/36 (72	%)	/ 36 Performance Target: 26/36 (72%)						
COMMENTS (required for total score < 26/36 or for any criterion with a score of 1):				COMMENTS (required for total score < 26/36 or for any criterion with a score of 1):						
SLO #3 (for Ph.D. Students Only): Students discover and create new knowledge.										
Effectiveness Measure: # of accepted publications upon graduation.										
Performance Target: 90% of students have at least one accepted publication upon graduation.										