Mechanical Engineering Assessment Plan Dashboard - 2019/20					
SO	Description	Met Target?			
50		Method 1	Method 2	Method 3	
1	An ability to identify, formulate, and solve complex engineering problems by applying knowledge of engineering, science, and mathematics (old outcome: a)	Not met	Not met	Exceeded	
2	Design a system to meet needs within realistic constraints (old outcome: c)	Exceeded	Not met	N/A	
3	An ability to communicate effectively with a range of audiences (old outcome: g)	Exceeded	Not met	N/A	
4	An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must conisder the impact of engineering solutions in global, economic, environmental, and societal contexts (old outcome: f)	Exceeded	Exceeded	N/A	
5	An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives (old outcome: d)	Exceeded	Not met	N/A	
6	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgement to draw conclusions (old outcome: b)	Exceeded	Met	Not met	
7	An ability to acquire and apply new knowledge as needed, using appropriate learning strategies (old outcome: i)	Exceeded	Exceeded	N/A	
8	Christian worldview and character (old outcome: I)	Exceeded	Exceeded	N/A	

Key n/a	
n/a	not applicable, method not used
NR	not reported, no results reported
Exceeded	exceeded the target
Met	target met, no action required
Not Met	target not met
New	new measurement, results not gathered yet
IP	in process, interpretation of results is in work

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Method 1	Course Level Assessment (CLA) EGR3093 Machine Component Design (final exam)	80% will be 3 out of 4	Not met
Method 2	Major Field Test (MFT) (MFT test grade)	80% of students receive 50% correct	Not met
Method 3	Recent Graduate Surveys (RGS) * (Alumni surveys)	Average ranking 80% (4 on a 5- point scale)	Exceeded
Method 1	Course Level Assessment (CLA) EGR4022 Senior Design Project II (final report)	OUL OF 4	Exceeded
Method 2	Recent Graduate Surveys (RGS)	Average of 80% (4 on a 5-point scale)	Not met
Previous method:	Previous method: CLA EGR3093 Machine Component Design (test 2, problem #5) and EGR3053 Heat Transfer (heat transfer project) (no longer being used)	80% will be 3 out of 4	N/A
SO 3 - An	ability to communicate effectively with a range of audiences (o	old outcome: g)	
Method 1	Course Level Assessment (CLA) EGR4022 Senior Design Project II (final design review overall presentation)	80% will be 3 out of 4	(a)-5(5-)]TETC

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Method 1	Course Level Assessment (CLA) EGR4022 Senior design project II (FDR grade)	80% will be out of 4 Average of 80		Exceeded
Method 2	Recent Graduate Surveys (RGS)	on a 5-point scale)	770 (4	Exceeded
Previous method:	Previous methods: CLA EGR2083 Engineering materials and processes (test 2 problem #2 & homework #5 & #13) and EGR3093 Machine Component Design (individual student teaching presentations) (no longer used)	80% will be out of 4	3	N/A
SO8 - Ch	ristian worldview and character (old outcome: I)			
		out of 4	3	Exceeded
Method 1	`		J	Exceeded Exceeded