University of Minnesota Crookston

Assessment of Student Learning

Assessment of Student E	curring					5/6/2010				
Major: BMM Manufacturing Management										
	Deer Net Meet	rubric	Evenede	-			Does Not Meet	Rubric results Meets	Currende .	Entropy and a set along
	Does Not Meet Expectations	Meets Expectations 2	Exceeds Expectations	Data			Expectations	Expectations	Exceeds Expectations	Future goals and plans
	expectations 1	2	Expectations 3	Collection	Reporting		Expectations	expectations 2	expectations	
	Unable to solve production problems and present results	Able to solve production problems and present results		Frequency Bi-annual	Timeframe 2018	Assessment Method & Procedures 1. Assignment 6 in MGMT2201 is used to evaluate this outcome since it involves the most common production problem such as Master Production Planning and Inventory Control 2. Students who got B- or more in this assignment are considered as Excellent 3. Students who got Less than B-, but passed the assignments are considered as acceptable 3. Students who failed in this assignment need improvements 5. The sample size is 44 and the course was offered in the fail of 2018	15%	13%	72%	 Make Webinar or record videos for such topics to help students understanding the topics that involve the most common production planning problems The goal is to reduce the percentage of students who need improvement
	Does Not Meet Expectations 1	Meets Expectations 2	Exceeds Expectations 3				Does Not Meet Expectations 1	Meets Expectations 2	Exceeds Expectations 3	
Program Learning Outcome 2: Real life Application Outcome 2.1. Assess the ability of students to implement continuous improvement tools and	Unable to	Able to implement	Show Excellent	Bi-annual	2018	1. Assignments 1-3 and 10-12 of BM3025 are used to	8%	12%	80%	 Make Webinar or record videos
methodology(PDCA, LEAN, Six Sigma, etc.) for ongoing increase of profitability.	implement continuous improvement tools in real-life applications	continuous improvement tools in real-life applications	 ability while implementing continuous improvement tools in real-life applications 			evaluate this outcome since they involve the most common Quality Tools including VSM, SIPOC, VOC, 7 Quality Tools, and Kano Model. 2. Students with average A in these assignments are beyond expectations 3. Students with average Less than B+ in these assignments, but did not get F meet the expectations 3. Students who failed in this assignments need improvements 5. The sample size is 25 and the course was offered in the fail of 2018				for such topics to help students understanding topics that involve the most common production planning problems 2. The goal is to reduce the percentage of students who need improvement
Program Learning Outcome 3: Communication Skills in Manufacturing Environment	Does Not Meet Expectations 1	Meets Expectations 2	Exceeds Expectations 3							
Outcome 3.1. Respond to quality assessment reports by taking appropriate action.	Unable to take	Able to take actions	Show enhanced	Bi-annual	20	19				
occesine ora nespone to quanty assessment reports of taning appropriate action.	actions based on		ability to respond take actions based on a quality report	51 dimodi	_	-				
Program Learning Outcome 4: Communication Skills in Manufacturing Environment	Does Not Meet Expectations 1	Meets Expectations 2	Exceeds Expectations 3	ſ			Does Not Meet Expectations 1	Meets Expectations 2	Exceeds Expectations 3	
Outcome 4.1. Initiate and manage projects to ensure timely completion within the constraints of facilities, equipment and staffing.	Unable to manage a project with a goal of saving costs and improving quality	Able to manage a project with a goal of saving costs and improving quality	Show outstanding ability to manage a project with effective cost saving and noticeable quality improvement	Bi-annual 20	019	 The course project in BM 3025 is used to evaluate this outcome, since it is implemented in either service or manufacturing company throughout a whole semester. The project is composed of two parts: course proposal and final report. A presentation is required as well. Students with average B - or more in both the proposal and final report are beyond expectations. Students with average the project is the project based of the the project is submarked on the the project. Students who hailed in need improvements The sample size is 25 and the course was offered in the fail of 2018. 	28%	60%	12%	28% of the class did not meet the expectation which is high percentage. To improve the performance, the future goals are as follows: 1. Provide more handout about the project. 2. Have a mid-semester update to keep students on track. 3. Revise the project description and make sure it is clear.
Program Learning Outcome 5: Critical Thinking and Problem Solving Skills										

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Outcome 5.1. Initiate and manage maintenance scheduling to optimize productivity and reduce process variability.									
Program Learning Outcome 6: Real Life Application	Does Not Meet Expectations 1	Meets Expectations 2	Exceeds Expectations 3			Does Not Meet Expectations 1	Meets Expectations 2	Exceeds Expectations 3	
Outcome 6.1. Implement appropriate task oriented software and hardware choices to communicate ideas and results clearly.	Unable to use needed software		Show outstanding ability when it comes to using software while solving problems	Bi-annual 2018	 Assignments 4-6 of BM3025 are used to evaluate this outcome since students need to use software such as Minitab to work on them. Students with Average A in these assignments are beyond expectations Students with average Less than B+ in these assignments, but did not get F meet the expectations Students who failed in this assignments need improvements The sample size is 25 and the course was offered in the fail of 2018 	8%	16%	76%	Provide more resources on how to use software programs such as Minitab Such resources are examples, handouts and software help

	ta Crookston ent Learning				5/8/2018						
Major: BMM Quality Management	Assessment Method & Procedures rubric			1			Rubric results				
Program Learning Outcome 1. Outcome 1.1. Initiate quality assessment methodology for assigned products or services, analyze process variability, communicate the results and test protocol with other stakeholders.	Needs Improvement = 1.0		Excellent = 3.0	Data Collection Frequency	Reporting Timeframe	Assessment Method & Procedures	Needs Improvement =	Acceptable = 1 2.0	Excellent = 3.0	D Future goals and plans	
Program Learning Outcome 2. Outcome 2.1 Solve assigned quality related problems and resolve issues, build consensus in groups and disseminate the outcomes with result tracking.	Needs improvement = 1.0 Unable to solve quality related problems		Excellent = 3.0 Show outstanding capability when solving quality related problems	Data Collection Frequency Bi-annual	Reporting Timeframe 2018	 Assignment 1.2 in BM3034 is used to evaluate this outcome since it involves a case study in which different quality tools are used to solve a quality problem. Students with A in this assignment are considered as Excellent Students with Less than A, but passed the assignments are considered as acceptable 	0.00%	93.40%	6.60%	Provide students with more resources on quality tools	
Program Learning Outcome 3. Outcome 3.1 Review performance of team members and lead them to embrace quality excellence by using persuasive leadership skills.]					 Students who failed in this assignments need improvements The sample size is 44 and the course was offered in the fail of 2018 					
Program Learning Outcome 4.	Needs Improvement = 1.0										
Outcome 4.1. Evaluate the quality of products or services relative to external (ISO, State and Federal Regulations) and internal standards (benchmarks, published protocols, specifications); report the outcomes.	Unable to evaluate products or services with respect to internal and external measures	products or services with	Show outstanding capability when it comes to evaluating product and services with respect to internal and external standards								
Program Learning Outcome 5.	Does Not Meet Expectations 1	Meets Expectations 2	Exceeds Expectations 3				Needs Improvement = 1.0	Acceptable = 1 2.0	Excellent = 3.0		
Outcome 5.1. Integrate continuous improvement models (PDCA, LEAN, Six Sigma, etc.) for ongoing increase of profitability.	Unable to implement continuous improvement tools in real-life applications	Able to implement continuous improvement tools in real-life applications	Able to implement continuous improvement tools in real-life applications perfectly	Bi-annual	2018	 Assignments 1-3 and 10-12 of BM3025 are used to evaluate this outcome since they involve the most common Quilty Tools including VSM, SIPOC, VOC, 7 Quality Tools, and Kano Model. Students with Average A in these assignments are beyond expectations Students with average Less than B+ in these assignments, but did not get F meet the expectations Students who failed in this assignments need improvements The sample size is 25 and the course was offered in the fail of 2018 	8%	12% 8	30%	Make Webinar or record videos for such topics to help students understanding topics that involve the most common production planning problems Z. The goal is to reduce the percentage of students who need improvement	
Program Learning Outcome 6.	Does Not Meet Expectations 1	Meets Expectations 2	Exceeds Expectations 3				Does Not Meet Expectations 1	Meets Expectations 2	Exceeds Expectations 3		
Outcome 6.1. Implement appropriate task oriented software and hardware choices to communicate ideas and results clearly.	Unable to use needed software	Able to use appropriate software when it is needed.	Show outstanding ability when it comes to using software while solving problems			 Assignments 4-6 of BM3025 are used to evaluate this outcome since students need to use software such as Minitab to work on them. Students with Average A in these assignments are beyond expectations Students with average Less than B+ in these assignments, but did not get F meet the expectations Students who failed in this assignments need improvements Students who failed in this assignments need improvements The sample size is 25 and the course was offered in the fail of 2018 	8%	16%	76%	 Provide more sources on how to use needed software. For example, Minitab software has tutorial about each function of the software. Student may not be aware of the such tutorials. I will make sure that they can access and be able to use the software help. 	