- Systems Engineering & Technical Management -2019/2020 Assessment Report

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1			
	11	Program Gods and Design	3
	12	ProgramBrief History	3
2			4
	21	PiogamMission	4
	2.2	ProgramEducational Objectives	4
	2.3	Relationship Between Program Educational Objectives and Institutional	
		Objectives	4
	24	Surkm	

programs (i.e DSSEMardM6Erg specialty).

2

21

The mission of the DMEM and MS Eng SEM spaidly is to equip gadates with the knowledge and shills to achies complex multide opining ynothers in obtained and sing and sites and nanagement of technological systems that employ a combination of devices, software, hardware, firmware, materials, and unansforsuch diverse purposes as communications, employengine ening healthcare, transportation communicationing. The distinguished and action of the distinguished and distinguished and distinguished and distinguished and distinguished

tagt level, and the exidence indicates that there is sufficient data and an adequate assessment methodologyal early implace, and therefore there is no reason to question the results obtained

If the faulty decided state this last course of action and implement a mich undergress the data from the direct assessments is an elysed and the faulty cone up with a plan for continuous improvement, which specifies what charges will be implemented to the anniculum to improve autometric formune.

In addition to died assessment measures, indied assessment of the student outcomes is performed on an analysis through a serior exits a very

The results of the direct and indirect assessment, as well as the conclusions of the faculty discussion at the Cosing the Loop meeting are included in the annual SEMAssessment Report, which is reviewed by the Department Chrimatolthe Director of Assessment for the university. The suggested danges to the coniculum are presented and is sused with all the department faculty at the annual Consocation meeting in Fall, as well as with the EERE Inclustry Advisory Boards. If approved, these danges are implemented in the curiculum and submitted to the University Curiculum Planning Commission (if catalog danges are required) for the following academic year:

The sections below describe the 2019-20 targeted assessment activities and detail the performance of students for each of the assessed outcomes. The tables report the number of students performing at a developing level, accomplished level, and exemplay level for each performance criteria, as well as the percentage of students performing at an accomplished level or above.

333

The sections below describe the 2019/2020 targeted assessment activities and detail the performance of sturbuts for each of the assessed outcomes. The Tables report the number of sturbuts performing at a (1) desdoping level, (2) accomplished level, and (3) exemplary level for each performance oritaria, as well as the percentage of sturbuts performing at an accomplished level or above (i.e., 2 or 3).

334

This cutcon ever a sessed in SEM421/521 – Systems Enginering in Fall 2019 by means of a substantial final project which consisted of a presentation and appear.

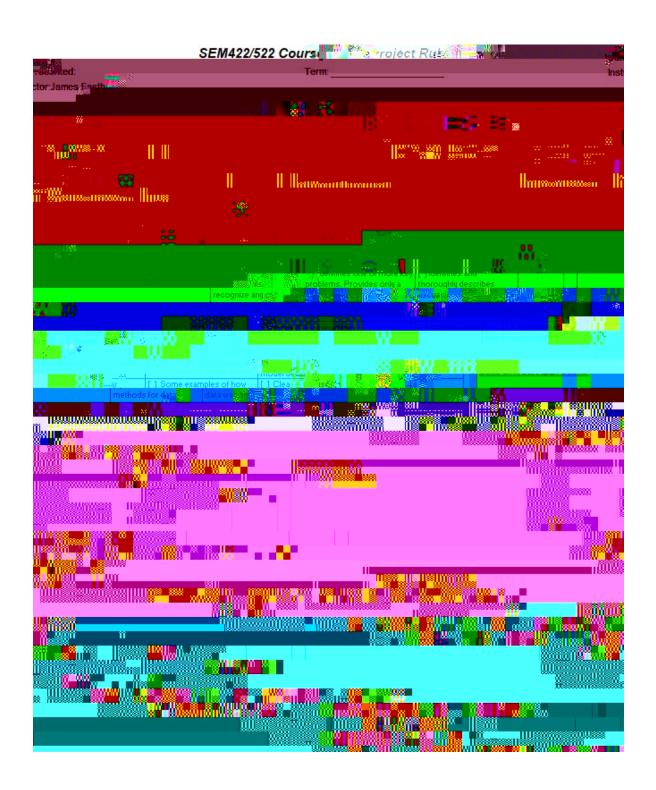
For the first project (paper and presentation), students selected a recent at tide or inclustry case involving a serious issue related to a product or service per taining to the course (e.g. defect, technical issue, reliability problem, supply drain problem, etc.). Students and year of the course leaving the project contained a quantitative component (e.g. data and years), nothing survey interview).

15 sturbts vereases ed in Fall 2019 using the performance oiterialisted in the table below The minimum acceptable performance level was to have above 80% of the sturbts performing at the accomplished or even play level in all performance oiteria

Table(a) 1 summizes the results of this targeted assessment. Table (a) 1 summizes the results of this targeted assessment. The results indicate that the minimum acceptable performance level of 80% vas met conall performance citeria for this program cutcone, that is, 80% of students were able to apply systems or givening methods to practical problems involving one or more original reduced.

Outcome (a): anability to apply systems engineering methods top Q essu r= a lens in um

This section ds oil best feedings resulting from the assessment activities can include the desired control of th



SEM421/521 ProjectManagement HWRubric

Date Presented	Tem
heturtre knoe Faetham	

	1-Developing	2Competent	3Exemplary	Scare
Organization	[]Does not follow	[] Wellorganized	[] Competent plus	
	organized pattern	[] Easytofollow	additional organization	
		[] Contains summary	nethods	
		[] Follows clear logical patten	1	
Project Schedule	[]Poor/Undear	[] Good/Clearschedule,	[]Good/Clearpublem	
	Recedents or	precedents or dependents	schedule AND precedents	
	Dependents		ANDdependents	
Work Breakdown Structure	[]Poor/UnclearWBS	[] Goodinplenentation of	[]Goodinplementation of	
		WBS	WBS AND	
			[]ClearWBS numbering	
			andogarization	
Resource Allocation	[]Missing incomplete, of	r [] Goodassigment of	[]Goodassigment of	
	irconectresource	resources	resources AND	
	allocation or charts	[] Goodresource allocation	reports/charts AND	
		charts	additional resource insight	
Cost Estimation	[] Missing incomplete,	[] Conectbreakeven	[] Competent plus	
	or inconect cost analysi	is analysis	additional graphs or insights	
		[] Conect IRR		
		[]ConectIRRMorth		
		[]Goodanswertopartd		
Additional Analysis	[] Linitedinplenentation	n [] Sone inplementation of	[] Many additional	
	of additional learning	additional learning	examples (e.g. costs,	
	1		dashboards, critical tasks,	
			%complete, mini reports	
			Total	