

PVC Program Review Annual Snapshot

Division: Math Science

Date of Report: July 2019-June 2020

	Course Completion Rate	2015-16		2016-17		2017-18		2018-19		2019-20	
	Student Characteristics	Female	52.7%	338/641	55.3%	311/562	50.0%	248/496	48.6%	212/436	51.3%
Male		50.5%	685/1357	54.0%	753/1395	60.4%	879/1455	57.2%	12/142	58.7%	588/1002
Asian/Pac Island		62.8%	71/113	62.8%	76/121	71.8%	56/78	57.1%	68/119	56.9%	41/72
African-Am		40.8%	141/346	44.9%	132/294	50.2%	142/283	49.4%	52/308	48.1%	104/216
Hawaiian/Nat Am		31.6%	12/38	42.5%	17/40	55.6%	25/45	56.8%	25/44	73.5%	25/34
Hispanic		52.9%	506/956	54.2%	518/956	56.1%	548/976	54.7%	473/864	57.0%	385/676
White		54.4%	272/500	59.9%	300/501	64.1%	330/515	60.5%	299/494	59.2%	212/358
Inmate		47.7%	533/1117	50.4%	563/1118	61.9%	740/1196	57.0%	415/1254	58.3%	518/889
Disabled		55.8%	197/353	63.2%	264/418	68.4%	378/553	64.7%	355/549	65.9%	319/484
Foster		-	-	-	-	-	-	54.5%	6/11	0.0%	0/2
Veteran		43.8%	7/16	35.3%	6/17	68.8%	22/32	70.8%	17/24	50.0%	9/18

Significant Findings: We notice that there has been in overall a declining trend in the completion rate since 2017-2018 cycle . However, when when all demographic groups are considered, we notice that average percentages of completion in 2019-2020 cycle are not statistically different from those of 2018-2019 cycle. It is reasonable to assume that COVID-19 pandemic has had a negative impact on the performance in the Spring 2020. Without COVID-19 pandemic we would have observed more satisfactory completion rates in the 2019-2020 cycle.

Conclusions and Next Steps: Starting form Fall 2021, we will be prepared to achieve better completion rates among all demographic groups, via both face to face, online and correspondance modalities. We hope to make use of the novel resources (such as computer software, online tutoring, online resources, and online teaching training etc.) to achieve the goals.

Future Program Needs			2020-21	2021-22	2022-23	2023-24
	Human Resources		The Math department hired a full-time instructor	The Geology department will hire a full-time faculty		
	Fiscal Resources		Budget funds according to staff needs & supplies	Budget funds according to staff needs & supplies		
	Physical Resources		Evaluate effectiveness of NBE 098	Evaluate effectiveness of NBE 098		
	Technology Resources		eLumen training, @One training and supportive softwares.	eLumen training for new faculty		

Improvements Based on Prior Years SLO Assessments	Improvements in SLOs have been observed in most of the Math and Science Division courses due to implementation of new labs designs and utilization of academic resources (supplemental material, tutoring, computer software) and effective outreach to students for better learning experience. Still there are some courses are in need of improvements for better SLOs performance.
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