

Memo

To: Beth Merritt Miller, Assistant Vice Provost for University Advising
Carly Head, Mustang Success Center

From: Ryan Allison

Edited by: Matt Carlton, Statistics Department

Date: 8/2/2013

Re: Freshman Success Program – Continuation of AY 2012-13 Analysis

Contents

- I. Introduction
- II. Summary
- III. GPA and Academic Probation Results
- IV. Appendix

I. Introduction

This memorandum documents the continuation of the statistical analysis for the AY 2012-13 Freshman Success Program (FSP). A preliminary memo (6/4/13, R. Allison) summarized the performance of the 235 students that attended the FSP workshop in January 2013 with respect to self-efficacy and change in GPA from fall to winter quarter. This memo describes the changes and trends at the end of AY 2012-13. In this memo, we present mean GPA trends by college, numbers of students able to raise their cumulative GPAs above 2.0, and persistence into Fall Quarter 2013. Self-efficacy was not re-assessed in spring quarter and, as such, is not addressed in this analysis.

II. Summary

Continuing into spring quarter, the FSP workshop has a positive effect on the percent of students maintaining a cumulative GPA above 2.0. Students from the 2012-13 FSP performed comparably to the previous years' cohorts, although their mean cumulative GPA is somewhat lower than for previous years' FSP participants.

III. GPA and Academic Probation Results

Table 1 summarizes the four-year trend in FSP results at the summer time point. The mean cumulative GPA for 2012-13 FSP participants was slightly lower than in previous years, but the proportion of students off academic probation and the proportion enrolled in the subsequent fall quarter have remained reasonably steady. Note: Enrollment for Fall Quarter 2013 was determined as of July 16, 2013, and thus is subject to change as students' enrollment status changes (due to dismissal appeals, monetary-based decisions, etc.).

<i>Summary Statistics</i>	2013	2012	2011	2010*
Mean Spring Cumulative GPA	2.026	2.103	2.109	2.182
% Off AP after Spring Quarter	66.4%	62.7%	70.7%	73.7%
% Enrolled Fall Quarter	67.2%	67.4%	73.9%	68.4%

Table 1 – Summary statistics for the 2013 FSP participants, and comparative statistics for the 2012 and 2011 FSP participants and the 2010 treatment group.

*Note: This excludes the 2010 Control Group, as they did not receive a “treatment,” by design.

Table 2 displays the mean term GPAs by college and by quarter for all participants in this year's FSP. Figure 1 shows the trend of these same GPAs over the course of AY 2012-13. Note that following the FSP workshop in winter, mean term GPAs rose above 2.0 for all colleges, except in CENG. Unlike in previous years, where the mean spring GPA was marginally lower than in winter, all colleges excluding CENG continued the increasing trend.

<i>Mean Term GPA</i>		Fall	Winter	Spring
College	CAED	1.555	2.090	2.475
	CAFES	1.570	2.157	2.319
	CENG	1.447	1.691	1.665
	CLA	1.604	2.188	2.364
	COSAM	1.506	2.105	2.262
	OCOB	1.642	2.248	2.602
	Total	1.540	2.040	2.205

Table 2 – Mean term GPA for 2012-13 FSP participants, by college and quarter.

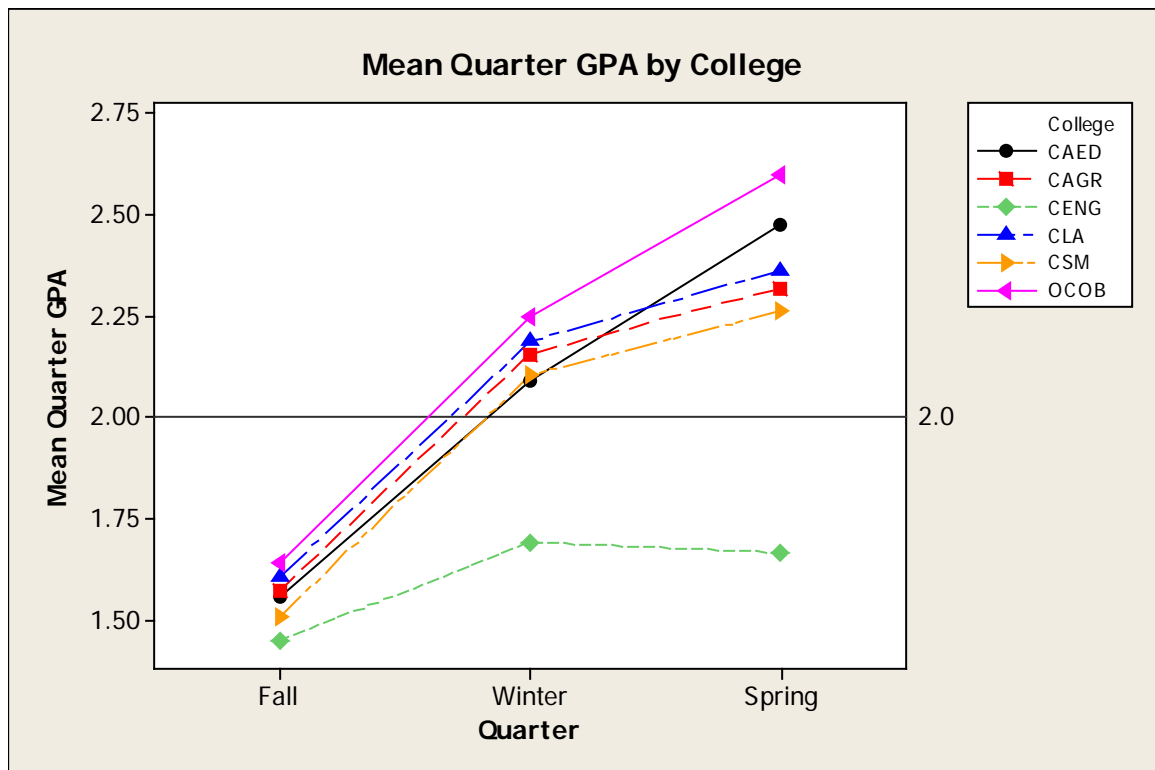


Figure 1 – Mean term GPA trend by college over AY 2012-13.

As Table 3 illustrates, a majority (66.4%) of FSP students that persisted into spring quarter succeeded in raising their Cal Poly cumulative GPAs above 2.0. Since 18 students withdrew from the university prior to spring quarter, they are not subject to GPA analysis for this quarter.

		# Students GPA Above 2.0	# Students GPA Below 2.0	# Students Withdrawn Spring	Total Students	% Students GPA Above 2.0
College	CAED	21	8	2	31	72.4%
	CAFES	45	19	7	71	70.3%
	CENG	24	29	3	56	45.3%
	CLA	15	4	1	20	78.9%
	COSAM	22	8	2	32	73.3%
	OCOB	17	5	3	25	77.3%
	Total	144	73	18	235	66.4%

Table 3 – Students’ academic standing after spring quarter In the table, GPA refers to Spring 2013 Cal Poly cumulative GPA. Percents in the far right column are out of those students who were enrolled Spring 2013.

Table 4 summarizes retention into Fall 2013 for all students who participated in the FSP workshop, separated by college. For enrollment and retention information on those students who were eligible to participate in FSP but did not attend the workshop, please refer to Table 5 in the appendix.

		Enrolled Fall 2013	Not Enrolled Fall 2013	Total	% Retained
College	CAED	24	7	31	77.4%
	CAFES	48	23	71	67.6%
	CENG	28	28	56	50.0%
	CLA	14	6	20	70.0%
	COSAM	24	8	32	75.0%
	OCOB	20	5	25	80.0%
	Total	158	77	235	67.2%

Table 4 – Students’ fall quarter enrollment by college.

IV. Appendix

Table 5 summarizes the status of the 33 students who were enrolled Winter 2013 but did not attend a workshop.

Off AP	Number of Students	# Enrolled Fall 2013	GPA Category	GPA
No	12	3	Fall 2012	1.40
			Winter 2013	1.32
			Spring 2013	1.52
			CP Cum	1.28
Yes	17	17	Fall 2012	1.94
			Winter 2013	2.38
			Spring 2013	2.43
			CP Cum	2.30
N/A - Withdrawn	4	0	Fall 2012	1.04
			Winter 2013	0.38
			Spring 2013	N/A
			CP Cum	0.79

Table 5 – GPA summary for students enrolled Winter 2013 that did not participate in the FSP workshop.