

To: Susan Boraston, Special Projects Coordinator

From: Lourdes Del Rio-Parent, PhD, Sr. Research Analyst/Data Warehouse Coordinator FHDADate: 24 January 2017

Re: Attendance Statistics for the Foothill Sunnyvale Center for the Academic Year of 2016-17

The purpose of this document is to provide attendance statistics (section count, student headcount, and full-time student equivalent figures) for the Foothill College Sunnyvale Center, 2016-17 academic year¹. These statistics are to be included in the *Utilization Report* to be submitted to the Department of Education on February, 2017, for the FHDA CCD's portion of the former Onizuka Air Force. Figures included in this document are based on actual data and forecast estimates based on prior data trends (e.g., percentage increase or decline in the number of sections and students between consecutive terms, total contact hours rate from a previous term).

Summary of Findings

Data in Table 1 show section count, student headcount, and full-time equivalent student (FTES) statistics for the Foothill College Sunnyvale Center, 2016-17 academic year. Actual data (as of January 19, 1027) were used to generate all statistics for the fall 2016 term and section and headcount statistics for the winter 2017 term. Forecast estimates were used for FTES statistics in winter 2017 in positive attendance classes and all statistics for spring 2017. Based on actual and forecast estimates, it is expected that by the end of the 2016-17 academic year data for courses linked to the Foothill College Sunnyvale Center campus will show:

• 359 credit and 16 noncredit sections. Data for fall 2016 and winter 2017 in Table A.4 show that more than 40% of the sections during these

¹ Sections with at least one enrollment with apportionment flag equal to 'Y' and 'FC' (Foothill College Sunnyvale Center) as campus code. These included sections offered 100% online.

terms were online, while more than 30% were evening/weekend-only classes.

6,483 students in credit courses and 137 in noncredit courses. Data in Table B.5 show that 53% and 60% of all students in fall 2016 and winter 2017 were enrolled in online courses, respectively. Data in Table B.5 also show that 31% and 26% of all students in fall 2016 and winter 2017 were enrolled in evening/weekend only sections, respectively.

• 1,211.13 FTES (full-time equivalent student) for credit courses and 28.71 for noncredit courses. Data in Table C.5 show that for fall 2016 online classes generated close to 50% of all FTES for credit courses (230.8 of 471.6). Online classes also showed the highest *Section Average Enrollment Rate* (average for actual section enrollment divided by max section enrollment), 86%, compared to 65% for all sections; and the highest *Total Contact Hours Rate* (total contact hours divided by the maximum possible contact hours), 87%, compared to 65% for all sections.

Table 1. Foothill College Sunnyvale Center: Section
Count, Student Headcount, and FTES by Term and
Credit Status, 2016-17

Section Count	Student Headcount	FTES
	Credit	
137	3,200	462.37
118	2,766	398.28*
104*	2,434*	350.49*
359*	6,483*	1,211.13*
	Non-Credit	
4	74	9.19
6	77	9.76*
6*	77*	9.76*
16*	137*	28.71*
	Count 137 118 104* 359* 4 6 6*	Count Headcount Credit Credit 137 3,200 118 2,766 104* 2,434* 359* 6,483* Non-Credit 4 74 6 77 6* 77*

* Indicates a forecast estimate, based on data trends (percentage increase or decline for section and student count between consecutive terms) or *Total Contact Hours Rate* (actual contact hours/maximum contact hours from a previous term).

Data include sections with the 'FC' campus code (Foothill College Sunnyvale Center) and at least one enrollment with apportionment flag indicator equal to 'Y' (applicable to apportionment), including online or distance education courses. FTES: Full-Time Equivalent Student.

Attendance data for census sections in fall 2016 and winter 2017 are based on enrollment as of January 19, 217.

Section count and student headcount for spring 2017 on credit courses are based on an expected decline of 12% (observed decline from fall 2016 to winter 2016 for number of sections, 12%; for students, 13%). FTES figures for positive attendance credit course in winter 2017 are based on a 32% Total Contact Hour Rate (actual rate for fall 2016); for noncredit courses: 45% for weekday classes and 6% for evening/weekend only classes (actual rates for fall 2016).

For total headcount (unique count for the academic year) for credit courses, statistics show that in winter 2017 a total of 1,783 new students enrolled in at least one class with the 'FC' campus code (not previously enrolled in fall 2016). For spring 2017, it is expected that about 1,500 new students will enroll in at least one credit class with the 'FC' campus code.

For total headcount (unique count for the academic year) for non-credit courses, statistics show that in winter 2017 a total of 33 new students enrolled in at least one non-credit class with the 'FC' campus code (not previously enrolled in fall 2016). For spring 2017, it is expected that about 30 new students will enroll in at least one non-credit class with the 'FC' campus code.

Research Methods and Procedures

All statistics for fall 2016 (section count, student headcount, and FTES) are based on actual data, as of January 19, 2016. For winter 2017, statistics for section count, student headcount, and FTES for census classes are also based on actual data. For positive attendance classes in winter 2017 (actual attendance is reported after the end of the term, around April 2017), FTES statistics are based on forecast estimates. In specific, FTES estimates for credit positive attendance classes are based on a 32% *Total Contact Hours Rate* (*Total Contact Hours* divided by *Total Max Hours*), as shown by data for these classes in fall 2016. For noncredit courses, the *Total Contact Hours Rate* used to forecast FTES figures were 45% for weekday and 6% for evening/weekend only classes. Statistics for FTES figures are shown in Table C.1 (FTES figures for fall 2016) and Table C.2 (FTES figures for winter 2017).

All statistics for spring 2017 are based on forecast estimates. Forecast estimates for section counts and student headcounts are based on the assumption that an observed decline of about 12% from fall 2016 to winter 2017 will continue in the spring term. (See tables A.2 and B.2 in Appendix A and Appendix B). For FTES figures, the *Total Contact Hours Rate* figures for fall 2016 were used for the forecast estimates, after taking into account the class schedule type and attendance type. Tables in Appendix A (section), Appendix B (students), and Appendix C (FTES) provide figures segregated by term (fall, winter, and spring), credit status (credit and noncredit), schedule type (online, weekdays, weekend-evening only), and attendance type (census, positive).

Appendix A

Table A.1 Section Count by Term, Credit Status, Schedule Type and Attendance Type

			Fall	2016	Winte	r 2017	Cha	nge
Credit Status Schedule Type	Attendance Type	Count	Percent	Count	Percent	Count	Percent	
Credit	Online	Census	59	42%	56	45%	-3	-5%
	Trad-Day-Weekday	Census	26	18%	18	15%	-8	-31%
		Positive	5	4%	5	4%	0	0%
	Trad-Evening-Weekend	Census	47	33%	38	31%	-9	-19%
		Positive	0	0%	1	1%	1	-
Noncredit	Trad-Day-Weekday	Positive	3	2%	3	2%	0	0%
	Trad-Evening-Weekend	Positive	1	1%	3	2%	2	200%
			141	100%	124	100%	-17	-12%

Notes

Data include sections with campus code equal to 'FC' (Foothill Sunnyvale Center), not cancelled, and at least one enrollment with apportionment flag equal to 'Y.'

Credit Status: Credit courses include credit-degree applicable and credit-not degree applicable.

Schedule Type: Online classes only include online or web based instruction.

Trad-Day-Weekday: Traditional (not 100% online) classes for which at least one of the sessions or meetings began before 4:30 PM.

Trad-Evening-Weekend: Traditional (not 100% online) classes for which all the sessions or meetings offered during the week began on or after 4:30 PM, or were only offered during the weekend.

Attendance Type, Census: Attendance based on enrollment for section by census date (weekly, daily, or independent study).

Positive: Attendance based in actual total number of hours the student attended the class, as reported by the instructor by the end of the term.

Table A.2 Section Count by Term

			Change from Prior Term			
Academic Period	Count	Percent	Count	Percent		
Fall 2016	141	53%				
Winter 2017	124	47%	-17	-12%		
Total	265	100%				

Notes

Data for sections with campus code equal to 'FC' (Foothill Sunnyvale Center), not cancelled, and at least one enrollment with apportionment flag equal to 'Y.'

Table A.3 Section Count by Term and Credit Status

	Fall 2016		Winte	r 2017	Cha	nge
Credit Status	Count	Percent	Count	Percent	Count	Percent
Credit	137	97%	118	95%	-19	-14%
Noncredit	4	3%	6	5%	2	50%
Total	141	100%	124	100%	-17	-12%

Notes

Data for sections with campus code equal to 'FC' (Foothill Sunnyvale Center), not cancelled, and at least one enrollment with apportionment flag equal to 'Y.'

Credit Status: credit courses include credit-degree applicable and credit-not degree applicable.

	Fall 2016		Winte	r 2017	Change			
Schedule Type	Count	Percent	Count	Percent	Count	Percent		
Online Only	59	42%	56	45%	-3	-5%		
Trad-Day-Weekday	34	24%	26	21%	-8	-24%		
Trad-Evening-Weekend	48	34%	42	34%	-6	-13%		
Total	141	100%	124	100%	-17	-12%		

Table A.4 Section Count by Term and Schedule Type

Notes

Data for sections with campus code equal to 'FC' (Foothill Sunnyvale Center), not cancelled, and at least one enrollment with apportionment flag equal to 'Y.'

Schedule Type: Online classes only include online or web based instruction.

Trad-Day-Weekday: Traditional (not 100% online) classes for which at least one of the sessions or meetings began before 4:30 PM.

Trad-Evening-Weekend: Traditional (not 100% online) classes for which all the sessions or meetings offered during the week began on or after 4:30 PM, or were only offered during the weekend.

	-					
	Fall 2016		2016 Winter 2017			nge
Attendance Type	Count	Percent	Count	Percent	Count	Percent
Census	132	94%	112	90%	-20	-15%
Positive	9	6%	12	10%	3	33%
Total	141	100%	124	100%	-17	-12%

Table A.5 Section Count by Term and Attendance Type

Notes

Data for sections with campus code equal to 'FC' (Foothill Sunnyvale Center), not cancelled, and at least one enrollment with apportionment flag equal to 'Y.'

Attendance Type, Census: Attendance based on enrollment for section census date (weekly, daily, or independent study). Attendance Type, Positive: Attendance based on actual total number of hours the student attended the class, as reported by the instructor by the end of the term.

Appendix B

Table B.1 Student Headcount by Term, Credit Status, Schedule Type and Attendance Type

			Fall	2016	Winte	r 2017	Cha	nge
Credit		Attendance						
Status	Schedule Type	Туре	Count	Percent	Count	Percent	Count	Percent
Credit	Online	Census	1,736	53%	1,689	60%	-47	-3%
	Trad-Day-Weekday	Census	556	17%	401	14%	-155	-28%
		Positive	86	3%	101	4%	15	17%
	Trad-Evening-Weekend	Census	997	30%	736	26%	-261	-26%
		Positive	0	0%	26	1%	26	-
Noncredit	Trad-Day-Weekday	Positive	72	2%	72	3%	0	0%
	Trad-Evening-Weekend	Positive	2	0%	6	0%	4	200%
Total			3,272	100%	2,833	100%	-439	-13%

Notes

Data for sections with campus code equal to 'FC' (Foothill Sunnyvale Center), not cancelled, and at least one enrollment with apportionment flag equal to 'Y.' Figures are not mutually exclusive: Students that attend multiple terms are counted once.

Credit Status: Credit courses include credit-degree applicable and credit-not degree applicable.

Schedule Type: Online classes only include online or web based instruction.

Trad-Day-Weekday: Traditional (not 100% online) classes for which at least one of the sessions or meetings began before 4:30 PM.

Trad-Evening-Weekend: Traditional (not 100% online) classes for which all the sessions or meetings offered during the week began on or after 4:30 PM, or were offered only during the weekend.

Attendance Type, Census: Attendance based on enrollment for section census date (weekly, daily, or independent study).

Attendance Type, Positive: Attendance based in actual total number of hours the student attended the class, as reported by the instructor by the end of the term.

			Change from Prior Term		
Term	Count	Percent	Count	Percent	
Fall 2016	3,272	64%			
Winter 2017	2,833	56%	-439	-13%	
Total Headcount	5,084	100%			

Table B.2 Student Headcount by Term

Notes

Data for sections with campus code equal to 'FC' (Foothill Sunnyvale Center), not cancelled, and at least one enrollment with apportionment flag equal to 'Y.' Figures are not mutually exclusive: students that attend multiple terms are counted once.

Table B.3 Student Headcount by Term and Credit Status

	Fall 2	Fall 2016		r 2017	Change		
Credit Status	Count	Percent	Count	Percent	Count	Percent	
Credit	3,200	98%	2,766	98%	-434	-14%	
Noncredit	74	2%	77	3%	3	4%	
Total	3,272	100%	2,833	100%	-439	-13%	

Notes

Data for sections with campus code equal to 'FC' (Foothill Sunnyvale Center), not cancelled, and at least one enrollment with apportionment flag equal to 'Y.'

Credit Status: Credit courses include credit-degree applicable and credit-not degree applicable. Figures are not mutually exclusive: students that attend multiple terms are counted once.

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Fall 2	Fall 2016		r 2017	Change		
Count	Percent	Count	Percent	Count	Percent	
1,736	53%	1,689	60%	-47	-3%	
708	22%	536	19%	-172	-24%	
999	31%	750	26%	-249	-25%	
3,272	100%	2,833	100%			
	Count 1,736 708 999	Count Percent 1,736 53% 708 22% 999 31%	CountPercentCount1,73653%1,68970822%53699931%750	CountPercentCountPercent1,73653%1,68960%70822%53619%99931%75026%	CountPercentCountPercentCount1,73653%1,68960%-4770822%53619%-17299931%75026%-249	

Table B.4 Student Headcount by Term and Schedule Type

Notes

Data for sections with campus code equal to 'FC' (Foothill Sunnyvale Center), not cancelled, and at least one enrollment with apportionment flag equal to 'Y.'

Schedule Type: Online classes only include online or web based instruction.

Trad-Day-Weekday: Traditional (not 100% online) classes for which at least one of the sessions or meetings began before 4:30 PM.

Trad-Evening-Weekend: Traditional (not 100% online) classes for which all the sessions or meetings offered during the week began on or after 4:30 PM, or were offered only during the weekend.

Figures are not mutually exclusive: students that attend multiple terms are counted once

Table B.5 Student Headcount by Term and Attendance Type

	Fall 2	Fall 2016		r 2017	Change		
Attendance Type	Count	Percent	Count	Percent	Count	Percent	
Census	3,146	96%	2,718	96%	-428	-14%	
Positive	159	5%	202	7%	43	27%	
Total	3,272	100%	2,833	100%	-439	-13%	

Notes

Data for sections with campus code equal to 'FC' (Foothill Sunnyvale Center), not cancelled, and at least one enrollment with apportionment flag equal to 'Y.'

Attendance Type, Census: Attendance based on enrollment for section census date (weekly, daily, or independent study).

Positive: Attendance based in actual total number of hours the student attended the class, as reported by the instructor by the end of the term.

Figures are not mutually exclusive: students that attend multiple terms are counted once

Appendix C

 Table C.1 Full-Time Equivalent Student (FTES) Related Statistics by Term, Credit Status, Schedule Type and Attendance Type, Fall 2016

Credit Status	Schedule Type	Attendance Type	Section Count	Total Contact Hours	Total Max Hours (Possible)	FTES	Section Average Enrollment Rate	Total Contact Hours Rate
Credit	Online	Census	59	121,181.28	138,931.35	230.82	86%	87%
	Trad-Day-Weekday	Census	26	41,504.02	65,096.03	79.06	62%	64%
		Positive	5	15,221.00	47,040.00	28.99	46%	32%
	Trad-Evening- Weekend	Census	47	64,837.01	114,504.97	123.50	57%	57%
Credit Tota	Credit Total		137	242,743.31	365,572.35	462.37	70%	66%
Noncredit	Trad-Day-Weekday	Positive	3	4,661.25	10,398.50	8.88	105%	45%
	Trad-Evening- Weekend	Positive	1	161.00	2,817.50	0.31	6%	6%
Noncredit	Total		4	4,822.25	13,216.00	9.19	80%	36%
Total			141	247,565.56	378,788.35	471.55	70%	65%

Credit Status	Schedule Type	Attendance Type	Section Count	Total Contact Hours	Total Max Hours (Possible)	FTES	Section Average Enrollment Rate	Total Contact Hours Rate
Credit	Online	Census	56	122,931.78	127,786.50	234.16	96%	96%
	Trad-Day-Weekday	Census	18	27,763.08	46,919.47	52.88	60%	59%
		Positive	5	10,539.16*	32,570.94	20.07*	53%	32%*
	Trad-Evening-Weekend	Census	38	47,544.36	84,106.54	90.56	56%	57%
		Positive	1	316.80*	960.00	0.60*	65%	33%*
Credit Tota	ıl		118	209,095.18	292,343.45	398.28	76%	72%
Noncredit	Trad-Day-Weekday	Positive	3	4,964.05*	11,074.00	9.46*	79%	45%*
Noncredit	Trad-Evening-Weekend	Positive	3	161.83*	2,832.00	0.31*	18%	6%*
Non-Credit	Total		6	5,125.88*	13,906.00	9.76*	48%	37%*
Total			124	214,221.06*	306,249.45	408.04*	74%	70%*

 Table C.2 Full-Time Equivalent Student (FTES) Related Statistics by Term, Credit Status, Schedule Type and Attendance Type, Winter 2017

Notes for Tables C1 and C2

* Indicates forecast estimate.

Data for sections with campus code equal to 'FC' (Foothill Sunnyvale Center), not cancelled, and at least one enrollment with apportionment flag equal to 'Y.' Credit Status: Credit courses include credit-degree applicable and credit-not degree applicable.

Schedule Type: Online classes only include online or web based instruction: none of the sessions or meetings was scheduled at the Sunnyvale Center.

Trad-Day-Weekday: Traditional (not 100% online) classes for which at least one of the sessions or meetings began before 4:30 PM.

Trad-Evening-Weekend: Traditional (not 100% online) classes for which all the sessions or meetings offered during the week began on or after 4:30 PM, or were offered only during the weekend.

Attendance Type, Census: Attendance based on enrollment for section census date (weekly, daily, or independent study).

Attendance Type, Positive: Attendance based on actual total number of hours the student attended the class, as reported by the instructor by the end of the term. Total Contact Hours: Sum of all contact hours for all sections.

Total Max Hours (Possible): Sum of the maximum contact hours for all sections. It assumes that the maximum number of students (as set by the system) enrolled for each class; for positive attendance, it also assumes that all students attended maximum number of hours.

FTES: Full-time equivalent student or total number of contact hours divided by 525.

Section Average Enrollment Rate: The average for the enrollment rate (actual enrollment/max enrollment) for all sections with at least one enrollment with apportionment flag equal to 'Y.'

Total Contact Hours Rate: "Total Contact Hours" divided by "Total Max Hours (Possible)."

Term	Section Count	Total Contact Hours	Total Max Hours (Possible)	FTES	Section Average Enrollment Rate	Total Contact Hours Rate
Fall 2016	141	247,565.6	378,788.4	472	70%	65%
Winter 2017	124	-	306,249.5	-	74%	-

Table C.3 Full-Time Equivalent Student (FTES) Statistics by Term

Notes

Data for sections with campus code equal to 'FC' (Foothill Sunnyvale Center), not cancelled, and at least one enrollment with apportionment flag equal to 'Y.'

Credit Status: Credit courses include credit-degree applicable and credit-not degree applicable.

Total Contact Hours: Sum of all contact hours for all sections.

Total Max Hours (Possible): Sum of the maximum contact hours for all sections. It assumes that the maximum number of students (as set by the system) enrolled for each class; for positive attendance, it also assumes that all students attended maximum number of hours.

FTES: Full-time equivalent student or total number of contact hours divided by 525.

Section Average Enrollment Rate: The average for the enrollment rate (actual enrollment/max enrollment) for all sections with at least one enrollment with apportionment flag equal to 'Y.'

Total Contact Hours Rate: "Total Contact Hours" divided by "Total Max Hours (Possible)."

Credit Status	Section Count	Total Contact Hours	Total Max Hours (Possible)	FTES	Section Average Enrollment Rate	Total Contact Hours Rate
			Fall 20	16		
Credit	137	242,743.3	365,572.4	462.4	70%	66%
Noncredit	4	4,822.3	13,216.0	9.2	80%	36%
Total	141	247,565.6	378,788.4	471.6	70%	65%
			Winter 2	2017		
Credit	118	-	292,343.5	-	76%	-
Noncredit	6	-	13,906.0	-	48%	-
Total	124	-	306,249.5	-	74%	-

Table C.4 Full-Time Equivalent Student (FTES) Related Statistics by Term and Credit Status

Data for sections with campus code equal to 'FC' (Foothill Sunnyvale Center), not cancelled, and at least one enrollment with apportionment flag equal to 'Y.' Credit Status: Credit courses include credit-degree applicable and credit-not degree applicable. Total Contact Hours: Sum of all contact hours for all sections. Total Max Hours (Possible): Sum of the maximum contact hours for all sections. It assumes that the maximum number of students (as set by the system) enrolled for each class; for positive attendance, it also assumes that all students attended maximum number of hours. FTES: Full-time equivalent student or total number of contact hours divided by 525. Section Average Enrollment Rate: The average for the enrollment rate (actual enrollment/max enrollment) for all sections with at least one enrollment with apportionment flag equal to 'Y.' Total Contact Hours Rate: "Total Contact Hours" divided by "Total Max Hours (Possible)."

Schedule Type	Section Count	Total Contact Hours	Total Max Hours (Possible)	FTES	Section Average Enrollment Rate	Total Contact Hours Rate
			Fall 2	016		
Online	59	121,181.3	138,931.4	230.8	86%	87%
Trad-Day- Weekday	34	61,386.3	122,534.5	116.9	63%	50%
Trad-Evening- Weekend	48	64,998.0	117,322.5	123.8	56%	55%
Total	141	247,565.6	378,788.4	471.6	70%	65%
			Winter	2017		
Online	56	-	127,786.5	-	96%	-
Trad-Day- Weekday	26	-	90,564.4	_	61%	
Trad-Evening- Weekend	42	-	87,898.5	-	53%	
Total	124		306,249.5		74%	

Data for sections with campus code equal to 'FC' (Foothill Sunnyvale Center), not cancelled, and at least one enrollment with apportionment flag equal to 'Y.' Schedule Type: Online classes only include online or web based instruction: none of the sessions or meetings was scheduled at the Sunnyvale Center. Trad-Day-Weekday: traditional (not 100% online) classes for which at least one of the sessions or meetings began before 4:30 PM. Trad-Evening-Weekend: traditional (not 100% online) classes for which all the sessions or meetings offered during the week began on or after 4:30 PM, or were offered only during the weekend.

Total Max Hours (Possible): Sum of the maximum contact hours for all sections. It assumes that the maximum number of students (as set by the system) enrolled for each class; for positive attendance, it also assumes that all students attended maximum number of hours.

FTES: Full-time equivalent student or total number of contact hours divided by 525. Section Average Enrollment Rate: The average for the enrollment rate (actual enrollment/max enrollment) for all sections with at least one enrollment with apportionment flag equal to 'Y.' Total Contact Hours Rate: "Total Contact Hours" divided by "Total Max Hours (Possible)."

Attendance Type	Section Count	Total Contact Hours	Total Max Hours (Possible)	FTES	Section Average Enrollment Rate	Total Contact Hours Rate
			Fall 2	2016		
Census	132	227,522.3	318,532.4	433.4	71%	71%
Positive	9	20,043.3	60,256.0	38.2	61%	33%
Total	141	247,565.6	378,788.4	471.6	70%	65%
			Winter	r 2017		
Census	112	-	258,812.5	-	77%	-
Positive	12	-	47,436.9	-	52%	-
Total	124		306,249.5	-	74%	-

Table C.6 Student Headcount by Term and Attendance Type

Data for sections with campus code equal to 'FC' (Foothill Sunnyvale Center), not cancelled, and at least one enrollment with apportionment flag equal to 'Y.' Attendance Type, Census: attendance based on enrollment for section census date (weekly, daily, or independent study). Attendance Type, Positive: based on actual total number of hours the student attended the class, as reported by the instructor by the end of the term. Total Max Hours (Possible): Sum of the maximum contact hours for all sections. It assumes that the maximum number of students (as set by the system) enrolled for each class; for positive attendance, it also assumes that all students attended maximum number of hours. FTES: Full-time equivalent student or total number of contact hours divided by 525. Section Average Enrollment Rate: The average for the enrollment rate (actual enrollment/max enrollment) for all sections with at least one enrollment with apportionment flag equal to 'Y.' Total Contact Hours Rate: "Total Contact Hours" divided by "Total Max Hours (Possible)."