



College Productivity Report Spring 2017

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Purpose

This report has been prepared in order to provide four productivity indicators for City/ECC, Mesa, and Miramar Colleges for the last four spring terms including Spring 2017.

FTES/FTEF Ratio

FTES and FTEF data are from end of term. As a point of reference, for a Census Week class, an FTES/FTEF ratio of 15 would equate to a class size of approximately 30 students.

The FTES/FTEF ratio for all three colleges decreased in Spring 2017 compared to the previous spring term. The FTES/FTEF ratio for Spring 2017 was lower than the four term average (City College/ECC 14.7, Mesa College 14.8, and Miramar 15.3). The All Colleges benchmark (based on the average FTES/FTEF of the reported four spring terms) is 14.9. For Spring 2017, the average class size for each college was as follows: City/ECC 27.9, Mesa 27.9, Miramar 28.7, and All Colleges 28.1.

Table 1. FTES/FTEF by Term and College for Spring Terms

	Spring 2014	Spring 2015	Spring 2016	Spring 2017	Spring Avg.
City College/ECC	15.32	15.22	14.54	13.94	14.74
Mesa College	15.91	15.08	14.39	13.92	14.81
Miramar College	16.47	15.92	14.99	14.37	15.33
Total	15.82	15.29	14.57	14.03	14.90

Source: SDCCD Information System

Note. Non-residents, tutoring, apprenticeship, in-service, intersession, non-state supported, and cancelled classes are excluded.

Yields

Data were used from end of term to calculate the yields. Yields are calculated by taking the total amount of FTES and dividing by the total number of related sections. For example, if the total FTES were 24.83 and there were 5 related sections, the resulting yield would be 4.97.

The three colleges showed improvement in several accounting methods in 2017 compared to the previous spring term (see Table 2.2). The City College/ECC yields increased in Online Census Week and Online Census Day in Spring 2017 compared to 2016. In Spring 2017, Mesa College yields increased in Positive Attendance Credit compared to Spring 2016. Compared to the Spring 2016 the yields for all accounting methods for Miramar College decreased slightly in Spring 2017.

Table 2.1 FTES Yields (Credit and Resident only) for All Colleges

	Spring 2014	Spring 2015	Spring 2016	Spring 2017	Spring Average
Census Week	3.00	2.78	2.60	2.51	2.71
Census Day	2.36	2.23	2.24	2.11	2.23
Online, Census Week	3.56	3.56	3.35	3.36	3.45
Online, Census Day	2.42	2.42	2.56	2.60	2.51
Positive Attendance-Credit, Reg	1.81	1.96	1.75	1.78	1.83
In-service	9.33	7.62	8.40	7.55	8.18
Work Experience, Census Week	0.32	0.36	0.41	0.37	0.36
Work Experience, Census Day	0.26	0.49	0.30	0.21	0.33

Source: SDCCD Information System

Note. Non-residents, students repeating a course, courses with a capacity equal to zero, intersession, cancelled classes, apprenticeship courses, honors contract, tutoring, non-credit, and non-state supported are excluded.

Table 2.2 FTES Yields (Credit and Resident only)

		Spring 2014	Spring 2015	Spring 2016	Spring 2017	Spring Avg.
City College/ ECC	Census Week	3.07	2.90	2.64	2.61	2.80
	Census Day	2.24	2.19	2.37	2.42	2.30
	Online, Census Week	3.61	3.76	3.54	3.72	3.65
	Online, Census Day	1.58	1.92	2.47	2.97	2.33
	Positive Attendance-Credit, Reg	1.70	1.74	1.78	1.78	1.75
	Work Experience, Census Week	0.42	0.41	0.46	0.46	0.44
	Work Experience, Census Day		0.51	0.23	0.03	0.31
Mesa College	Census Week	2.83	2.63	2.48	2.41	2.58
	Census Day	2.25	1.79	1.71	1.26	1.78
	Online, Census Week	3.52	3.63	3.33	3.31	3.43
	Online, Census Day	2.66	2.26	2.39	2.07	2.32
	Positive Attendance-Credit, Reg	2.38	2.59	1.95	2.15	2.23
	Work Experience, Census Week	0.23	0.19	0.31	0.31	0.26
	Work Experience, Census Day	0.16	0.13	0.16	0.16	0.15
Miramar College	Census Week	3.23	2.87	2.77	2.58	2.84
	Census Day	3.00	3.37	2.78	2.47	2.84
	Online, Census Week	3.56	3.30	3.20	3.17	3.30
	Online, Census Day	3.21	3.22	2.90	2.84	3.01
	Positive Attendance-Credit, Reg	1.38	1.67	1.27	1.07	1.34
	In-service	9.33	7.62	8.40	7.55	8.18
	Work Experience, Census Week	0.57	1.16	0.75	0.42	0.71
	Work Experience, Census Day	0.47	0.82	0.52	0.27	0.47

Source: SDCCD Information System

Load

Data were used from end of term to calculate the loads. Load is the ratio of Weekly Student Contact Hours (WSCH) to Full-time Equivalent Faculty (WSCH/FTEF) and is a measure of productivity. The statewide load benchmark for a 17.5 week semester is 525. The load benchmark for SDCCD's 16.5 week semester is 557.

In Spring 2017, the Load for each college was less than the four term spring average.

Table 3. Load by Term and College for Spring Terms

	Spring 2014	Spring 2015	Spring 2016	Spring 2017	Spring Avg.
City College/ECC	528	520	498	477	505
Mesa College	521	499	479	467	491
Miramar College	539	522	491	471	502
Total	527	510	487	471	498

Source: SDCCD Information System

Note. Sections with zero WSCH, positive attendance, in-service, intersession, and cancelled sections are excluded.

Fill Rate

The capacity and enrollment data, for all accounting methods, were used to analyze fill rates. Data were as of end of term and were used for all four terms. Enrollment as of end of term was divided by the course capacity to calculate fill rates. As a point of reference, if there are 25 students in a class with a cap of 40, the fill rate would be 63%.

The overall fill rates for Spring 2017 decreased by 2% compared to the previous spring term.

Table 4. Fill Rate by Term, Campus, and Modality

		Spring 2014			Spring 2015			Spring 2016			Spring 2017		
		Enrollment	Capacity	Fill Rate	Enrollment	Capacity	Fill Rate	Enrollment	Capacity	Fill Rate	Enrollment	Capacity	Fill Rate
On Campus	City College/ECC	32,999	40,105	81%	32,644	39,432	81%	31,987	39,664	78%	29,385	37,716	76%
	Mesa College	53,067	59,440	86%	51,051	60,114	83%	48,268	59,499	79%	45,330	56,041	78%
	Miramar College	20,638	22,075	92%	22,701	25,521	89%	23,914	28,124	85%	25,002	29,797	82%
	Total	106,704	121,620	86%	106,396	125,067	83%	104,169	127,287	80%	99,717	123,554	78%
Online	City College/ECC	5,341	6,706	80%	5,304	6,618	80%	6,131	8,090	76%	6,538	8,285	79%
	Mesa College	7,518	9,209	82%	8,769	10,827	81%	9,601	12,264	78%	10,327	13,474	77%
	Miramar College	4,749	5,437	87%	4,850	5,816	83%	5,340	6,719	79%	6,333	8,137	78%
	Total	17,608	21,352	82%	18,923	23,261	81%	21,072	27,073	78%	23,198	29,896	78%
Total	City College/ECC	38,340	46,811	81%	37,948	46,050	81%	38,118	47,754	78%	35,923	46,001	76%
	Mesa College	60,585	68,649	86%	59,820	70,941	82%	57,869	71,763	79%	55,657	69,515	78%
	Miramar College	25,387	27,512	91%	27,551	31,337	88%	29,254	34,843	84%	31,335	37,934	81%
	Total	124,312	142,972	85%	125,319	148,328	83%	125,241	154,360	80%	122,915	153,450	78%

Source: SDCCD Information System

Note 1. Cancelled and tutoring classes are excluded from the Enrollment and Capacity.

Note 2. The Enrollment and Capacity in the Productivity table are not part of the Fill Rate calculation.

Note 3. Apprenticeship, in-service, cancelled, tutoring, and classes with less than two capacity are excluded from the fill rate.

Note 4. PHYE 153 and EXSC 124 are excluded.

Note 5. Intersession is excluded.