



College Productivity Report Fall 2017

Prepared by:
SDCCD Office of Institutional Research and Planning
February 2018

Purpose

This report has been prepared in order to provide four productivity indicators for City/ECC, Mesa, and Miramar Colleges for the last four fall terms including Fall 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 Fall 2017 compared to the previous fall term. The FTES/FTEF ratio for Fall 2017 was lower than the four term average (City College/ECC 14.9, Mesa College 14.9, and Miramar 15.6). The All Colleges benchmark (based on the average FTES/FTEF of the reported four fall terms) is 15.1. For Fall 2017, the average class size for each college was as follows: City/ECC 28.9, Mesa 28.4, Miramar 30.3, and All Colleges 29.0.

Table 1. FTES/FTEF by Term and College

	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall Avg.
City College/ECC	15.50	15.23	14.76	14.44	14.98
Mesa College	15.75	15.23	14.75	14.21	14.97
Miramar College	16.36	15.93	15.30	15.13	15.62
Average	15.78	15.37	14.87	14.50	15.11

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 Fall 2017 compared to the previous fall term (see Table 2.2). The City College/ECC yields increased for Census Week and Work Experience, Census Week in Fall 2017 compared to Fall 2016. Mesa College yields increased in Online Census Day in Fall 2017 compared to Fall 2016. Miramar College showed improvement in Census Week, In-service and Work Experience Census Day in Fall 2017 compared to Fall 2016.

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

	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall Average
Census Week	2.83	2.69	2.59	2.59	2.68
Census Day	2.42	2.60	3.01	2.56	2.64
Online, Census Week	3.66	3.48	3.41	3.31	3.45
Online, Census Day	2.50	2.60	2.93	2.89	2.76
Positive Attendance-Credit, Reg	1.89	1.91	1.64	1.51	1.74
In-service	7.95	8.06	6.89	6.94	7.48
Work Experience, Census Week	0.45	0.31	0.36	0.31	0.35
Work Experience, Census Day	0.47	0.20	0.19	0.29	0.26

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)

		Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall Avg.
City College/ ECC	Census Week	2.77	2.60	2.59	2.60	2.64
	Census Day	2.14	2.58	2.83	2.74	2.57
	Online, Census Week	3.70	3.70	3.59	3.58	3.65
	Online, Census Day	1.95	2.12	3.48	3.35	2.87
	Positive Attendance-Credit, Reg	2.03	1.99	2.03	1.94	2.00
	Work Experience, Census Week	0.58	0.29	0.40	0.42	0.42
	Work Experience, Census Day	---	---	0.03	---	0.03
Mesa College	Census Week	2.74	2.62	2.52	2.45	2.58
	Census Day	2.38	2.37	2.34	1.74	2.26
	Online, Census Week	3.72	3.39	3.31	3.16	3.36
	Online, Census Day	2.47	2.64	2.28	2.36	2.43
	Positive Attendance-Credit, Reg	2.03	2.30	1.43	1.36	1.70
	Work Experience, Census Week	0.31	0.20	0.29	0.25	0.26
	Work Experience, Census Day	---	---	0.06	---	0.06
Miramar College	Census Week	3.11	2.98	2.72	2.86	2.91
	Census Day	3.07	3.09	3.85	2.80	3.21
	Online, Census Week	3.53	3.36	3.40	3.35	3.41
	Online, Census Day	3.25	3.04	3.16	3.04	3.11
	Positive Attendance-Credit, Reg	1.33	1.27	1.30	1.03	1.23
	In-service	7.95	8.06	6.89	6.94	7.48
	Work Experience, Census Week	1.13	1.24	0.65	0.40	0.71
	Work Experience, Census Day	0.47	0.20	0.27	0.29	0.30

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 Fall 2017, the Load for each college was less than the four term fall average.

Table 3. Load by Term and College

	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall Avg.
City College/ECC	532	525	503	493	513
Mesa College	527	509	495	479	502
Miramar College	539	526	504	496	514
Average	531	517	500	487	508

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 Fall 2017 decreased by 2% compared to the previous fall term.

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

		Fall 2014			Fall 2015			Fall 2016			Fall 2017		
		Enrollment	Capacity	Fill Rate	Enrollment	Capacity	Fill Rate	Enrollment	Capacity	Fill Rate	Enrollment	Capacity	Fill Rate
On Campus	City College/ECC	33,248	39,774	82%	33,095	39,731	81%	31,781	38,494	80%	29,283	35,812	79%
	Mesa College	51,979	57,693	88%	50,613	57,488	86%	48,959	57,064	83%	47,042	54,674	80%
	Miramar College	20,941	22,457	93%	22,656	24,801	91%	24,258	28,189	87%	25,775	29,803	88%
	Total	106,168	119,924	87%	106,364	122,020	85%	104,998	123,747	83%	102,100	120,289	81%
Online	City College/ECC	5,218	6,662	78%	5,686	7,144	80%	6,476	7,741	84%	6,361	7,956	80%
	Mesa College	7,349	8,928	82%	8,575	10,662	80%	9,734	12,207	80%	10,515	13,411	78%
	Miramar College	4,878	5,665	86%	5,008	5,983	84%	5,751	7,084	81%	7,255	9,117	80%
	Total	17,445	21,255	82%	19,269	23,789	81%	21,961	27,032	81%	24,131	30,484	79%
Total	City College/ECC	38,466	46,436	82%	38,781	46,875	81%	38,257	46,235	81%	35,644	43,768	79%
	Mesa College	59,328	66,621	87%	59,188	68,150	85%	58,693	69,271	83%	57,557	68,085	80%
	Miramar College	25,819	28,122	91%	27,664	30,784	89%	30,009	35,273	86%	33,030	38,920	86%
	Total	123,613	141,179	86%	125,633	145,809	85%	126,959	150,779	83%	126,231	150,773	81%

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.