



College Productivity Report Fall 2016

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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 fall terms including Fall 2016.

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 2016 compared to the previous fall term. The FTES/FTEF ratio for Fall 2016 was lower than the four term average (City College/ECC 14.8, Mesa College 14.7, and Miramar 15.3). The All Colleges benchmark (based on the average FTES/FTEF of the reported four fall terms) is 15.6. For Fall 2016, the average class size for each college was as follows: City/ECC 29.5, Mesa 29.5, Miramar 30.6, and All Colleges 29.7.

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

	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall Avg.
City College/ECC	16.31	15.50	15.23	14.75	15.43
Mesa College	16.67	15.75	15.23	14.74	15.58
Miramar College	17.12	16.36	15.93	15.30	16.11
Total	16.64	15.78	15.37	14.87	15.64

Source: SDCCD Information System

Note. Non-residents, tutoring, apprenticeship, in-service, 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 2016 compared to the previous fall term (see Table 2.2). The City College/ECC yields increased in all accounting methods except for Census Week and Online Census Week in Fall 2016 compared to 2015. Mesa College yields increased in Work Experience Census Week and Work Experience Census Day in Fall 2016 compared to 2015. Miramar College showed improvement in all accounting methods except for Census Week, In-service and Work Experience Census Week in Fall 2016 compared to Fall 2015.

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

	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall Avg.
Census Week	3.09	2.83	2.69	2.59	2.79
Census Day	2.67	2.42	2.60	3.01	2.67
Online, Census Week	3.61	3.66	3.48	3.41	3.53
Online, Census Day	2.49	2.50	2.60	2.93	2.66
Positive Attendance-Credit, Reg	1.90	1.89	1.91	1.64	1.84
In-service	7.40	7.95	8.06	6.89	7.60
Work Experience, Census Week	0.35	0.45	0.31	0.36	0.37
Work Experience, Census Day	0.32	0.47	0.20	0.19	0.27

Source: SDCCD Information System

Note. Non-residents, students repeating a course, courses with a capacity equal to zero, 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 2013	Fall 2014	Fall 2015	Fall 2016	Fall Avg.
City College/ ECC	Census Week	3.21	2.77	2.60	2.59	2.78
	Census Day	2.43	2.14	2.58	2.82	2.49
	Online, Census Week	3.51	3.70	3.70	3.59	3.63
	Online, Census Day	1.77	1.95	2.12	3.48	2.45
	Positive Attendance-Credit, Reg	2.02	2.03	1.99	2.03	2.02
	Work Experience, Census Week	0.42	0.58	0.29	0.40	0.42
	Work Experience, Census Day	---	---	---	0.03	0.03
Mesa College	Census Week	2.86	2.74	2.62	2.52	2.68
	Census Day	2.78	2.38	2.37	2.34	2.47
	Online, Census Week	3.60	3.72	3.39	3.31	3.48
	Online, Census Day	2.49	2.47	2.64	2.28	2.46
	Positive Attendance-Credit, Reg	1.98	2.03	2.30	1.43	1.89
	Work Experience, Census Week	0.28	0.31	0.20	0.29	0.27
	Work Experience, Census Day	0.06	---	---	0.06	0.06
Miramar College	Census Week	3.40	3.11	2.98	2.72	3.04
	Census Day	3.11	3.07	3.09	3.85	3.33
	Online, Census Week	3.72	3.53	3.36	3.40	3.50
	Online, Census Day	3.47	3.25	3.04	3.16	3.20
	Positive Attendance-Credit, Reg	1.38	1.33	1.27	1.30	1.32
	In-service	7.40	7.95	8.06	6.89	7.60
	Work Experience, Census Week	0.94	1.13	1.24	0.65	0.93
	Work Experience, Census Day	0.46	0.47	0.20	0.27	0.33

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 2016, the Load for each college was less than the four term fall average.

Table 3. Load by Term and College for Fall Terms

	Fall 2013	Fall 2014	Fall 2015	Fall 2016	Fall Avg.
City College/ECC	560	532	525	503	529
Mesa College	556	527	509	495	521
Miramar College	560	539	526	504	530
Total	558	531	517	499	525

Source: SDCCD Information System

Note. Sections with zero WSCH, positive attendance, in-service, 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 2016 decreased by 2% compared to the previous fall term.

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

		Fall 2013			Fall 2014			Fall 2015			Fall 2016		
		Enrollment	Capacity	Fill Rate	Enrollment	Capacity	Fill Rate	Enrollment	Capacity	Fill Rate	Enrollment	Capacity	Fill Rate
On Campus	City College/ECC	33,673	38,784	86%	33,248	39,774	82%	33,095	39,731	81%	31,779	38,557	80%
	Mesa College	55,083	59,134	90%	51,979	57,693	88%	50,613	57,488	86%	48,959	57,138	83%
	Miramar College	20,769	21,217	97%	20,941	22,457	93%	22,656	24,801	91%	24,257	28,189	87%
	Total	109,525	119,135	90%	106,168	119,924	87%	106,364	122,020	85%	104,995	123,884	83%
Online	City College/ECC	5,205	6,219	84%	5,218	6,662	78%	5,686	7,144	80%	6,476	7,741	84%
	Mesa College	7,313	8,832	83%	7,349	8,928	82%	8,575	10,662	80%	9,731	12,287	79%
	Miramar College	4,799	5,362	90%	4,878	5,665	86%	5,008	5,983	84%	5,751	7,084	81%
	Total	17,317	20,413	85%	17,445	21,255	82%	19,269	23,789	81%	21,958	27,112	81%
Total	City College/ECC	38,878	45,003	86%	38,466	46,436	82%	38,781	46,875	81%	38,255	46,298	81%
	Mesa College	62,396	67,966	89%	59,328	66,621	87%	59,188	68,150	85%	58,690	69,425	83%
	Miramar College	25,568	26,579	95%	25,819	28,122	91%	27,664	30,784	89%	30,008	35,273	86%
	Total	126,842	139,548	89%	123,613	141,179	86%	125,633	145,809	85%	126,953	150,996	83%

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 from City College/ECC and Miramar College.