



College Productivity Annual Benchmark Report 2016/17

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August 2017

Purpose

This report has been prepared in order to provide four productivity indicators for City/ECC, Mesa, and Miramar Colleges by 2016/17 terms (Summer 2016, Fall 2016, and Spring 2017). Intersession was excluded. The productivity indicators are FTES/FTEF ratio, yield, Load, and fill rate. Three-year averages of each term are included as benchmarks for the current terms.

FTES/FTEF Ratio

FTES and FTEF data are as of 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 decreased at all three colleges from Fall 2016 to Spring 2017 compared to the three-year benchmark average. The overall fall FTES/FTEF ratio was higher compared to the overall spring ratio.

Table 1. FTES/FTEF by Term and College for 2016/17

FTES/FTEF	2016/17			Three-Year Benchmark Average		
	Summer	Fall	Spring	Summer	Fall	Spring
City/ECC	13.56	14.76	13.94	13.97	15.67	15.02
Mesa	13.33	14.75	13.92	15.11	15.87	15.11
Miramar	13.13	15.30	14.37	15.12	16.44	15.74
All Colleges	13.36	14.87	14.03	14.68	15.91	15.20

Source: SDCCD Information System

Note 1. Non-residents, tutoring, apprenticeship, in-service, intersession, non-state supported, and cancelled classes were excluded.

Note 2. The three-year benchmark is the average of the three most current like terms. This does not include the current term.

Yield

Yield is 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. If there are no classes in a specific accounting method, the yield will be zero. End of term FTES data were used to calculate the yields.

- The overall average yield for all three colleges was higher in Fall 2016 compared to Spring 2017.
- The City College/ECC yield for Census Day, Positive Attendance Credit, and Independent Study Census Day classes increased in Fall 2016 compared to equivalent benchmark average for fall.
- At Mesa College, the yields for Work Experience Census Week increased in Fall 2016 compared to equivalent benchmark average for fall.
- Miramar College had an increase in Census Day yields for Fall 2016 compared to equivalent benchmark averages for fall.

Table 2. FTES Yields (Credit and Resident only) for 2016/17

City College/ECC Accounting Methods	2016/17			Three-Year Benchmark Average		
	Summer	Fall	Spring	Summer	Fall	Spring
Census Week	0.00	2.59	2.61	0.00	2.85	2.86
Census Day	2.54	2.83	2.42	2.78	2.39	2.27
Positive Attendance-Credit, Reg	0.71	2.03	1.78	1.39	2.01	1.74
Independent Study, Census Week	0.00	3.59	3.72	0.00	3.64	3.63
Work Experience, Census Week	0.00	0.40	0.46	0.00	0.42	0.43
Independent Study, Census Day	3.46	3.48	2.97	3.18	1.96	2.01
Work Experience, Census Day	0.27	0.03	0.03	0.24	0.00	0.35
Total/Ave.	2.67	2.70	2.58	2.73	2.71	2.64

Mesa College Accounting Methods	2016/17			Three-Year Benchmark Average		
	Summer	Fall	Spring	Summer	Fall	Spring
Census Week	0.00	2.52	2.41	0.00	2.74	2.64
Census Day	2.30	2.34	1.26	2.71	2.51	1.91
Positive Attendance-Credit, Reg	2.74	1.43	2.15	3.12	2.10	2.26
Independent Study, Census Week	0.00	3.31	3.31	0.00	3.56	3.49
Work Experience, Census Week	0.00	0.29	0.31	0.00	0.26	0.24
Independent Study, Census Day	2.87	2.28	2.07	3.26	2.54	2.43
Work Experience, Census Day	0.28	0.06	0.16	0.29	0.06	0.14
Total/Ave.	2.41	2.49	2.38	2.79	2.72	2.59

Miramar College Accounting Methods	2016/17			Three-Year Benchmark Average		
	Summer	Fall	Spring	Summer	Fall	Spring
Census Week	0.00	2.72	2.58	0.00	3.15	2.94
Census Day	2.54	3.85	2.47	3.08	3.09	3.02
Positive Attendance-Credit, Reg	1.27	1.30	1.07	1.18	1.32	1.43
In-service	10.63	6.89	7.55	21.82	7.82	8.40
Independent Study, Census Week	0.00	3.40	3.17	0.00	3.53	3.35
Work Experience, Census Week	0.00	0.65	0.42	0.00	1.14	0.86
Independent Study, Census Day	2.94	3.16	2.84	3.42	3.22	3.10
Work Experience, Census Day	0.31	0.27	0.27	0.18	0.38	0.63
Total/Ave.	3.32	3.06	2.89	5.31	3.39	3.31

All Colleges Accounting Methods	2016/17			Three-Year Benchmark Average		
	Summer	Fall	Spring	Summer	Fall	Spring
Census Week	0.00	2.59	2.51	0.00	2.86	2.78
Census Day	2.43	3.01	2.11	2.80	2.57	2.27
Positive Attendance-Credit, Reg	1.70	1.64	1.78	1.86	1.90	1.84
In-service	10.63	6.89	7.55	21.82	7.82	8.40
Independent Study, Census Week	0.00	3.41	3.36	0.00	3.58	3.49
Work Experience, Census Week	0.00	0.36	0.37	0.00	0.37	0.36
Independent Study, Census Day	3.08	2.93	2.60	3.28	2.54	2.47
Work Experience, Census Day	0.28	0.19	0.21	0.26	0.33	0.37
Total/Ave.	2.73	2.71	2.58	3.30	2.87	2.77

Source: SDCCD Information System

Note 1. Non-residents, students repeating a course, courses with a capacity equal to zero, cancelled classes, apprenticeship courses, honors contract, tutoring, non-credit, intersession, and non-state supported courses were excluded.

Load

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. End of term data were used to calculate the Loads.

- In Summer 2016 the overall Load value was lower compared to the respective three-year benchmark.
- The Load values decreased from fall to spring for all colleges in the 2016/17 academic year.
- The Load values in Spring 2017 at all three colleges were lower than the equivalent benchmark averages and the statewide benchmark of 557.

Table 3. Load by Term and College for 2016/17

Load	2016/17			Three-Year Benchmark Average		
	Summer	Fall	Spring	Summer	Fall	Spring
City/ECC	441	502	476	448	535	511
Mesa	433	495	466	485	529	499
Miramar	427	504	471	482	541	515
All Colleges	435	499	470	470	533	506

Source: SDCCD Information System

Note 1. Miramar excludes all in-service classes. Tutoring, positive attendance, cancelled classes, and intersession are excluded.

Fill Rate

Capacity and enrollment data were used to analyze fill rates. Data were as of end of term. Enrollment as of census was divided by the class 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 0.63.

- In 2016/17, the overall fill rate for each college was higher in fall compared to spring and summer.
- In each of the 2016/17 primary terms, Mesa and Miramar College produced higher fill rates in on campus courses than in online courses.
- The overall fill rate was lower in summer, fall, and spring compared to equivalent benchmark average.

Table 4. Fill Rate by Term, Campus, and Modality for 2016/17

Fill Rate		2016/17			Three-Year Benchmark Average		
		Summer	Fall	Spring	Summer	Fall	Spring
On Campus	City/ECC	70%	80%	76%	78%	83%	80%
	Mesa	67%	83%	78%	75%	88%	83%
	Miramar	74%	87%	82%	84%	93%	88%
	Total	70%	83%	78%	78%	87%	83%
Online	City/ECC	76%	84%	79%	77%	80%	78%
	Mesa	72%	80%	77%	77%	82%	80%
	Miramar	74%	81%	78%	85%	86%	83%
	Total	74%	81%	78%	79%	83%	80%
All Colleges	City/ECC	72%	81%	76%	78%	83%	80%
	Mesa	69%	82%	78%	76%	87%	82%
	Miramar	74%	86%	81%	85%	92%	87%
	Total	71%	83%	78%	78%	87%	83%

Source: SDCCD Information System

Note 1. Apprenticeship, in-service, cancelled, intersession, tutoring, and classes with less than two capacity are excluded.

Note 2. Positive attendance credit sections PHYE 153 and EXSC 124 are excluded from the fill rates for City College/ECC and Miramar College.