



Productivity 2012/13 through 2016/17 Earth Sciences (ENVS, GEOL, METE, OCEN)

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Productivity by Year

	Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
2012/13	464	381	3.24	46.96	1,409	435	17	655	70.8%
2013/14	429	385	3.20	43.34	1,300	406	16	623	68.9%
2014/15	501	435	3.24	50.41	1,512	467	16	653	76.7%
2015/16	633	551	3.80	63.61	1,908	502	18	726	87.2%
2016/17	714	629	3.60	71.40	2,142	595	20	773	92.4%

Census Headcount: Number of duplicated headcount at final census. End of Term Headcount: Number of duplicated headcount at the end of the term.
 FTEF: Total number of full time equivalent faculty assigned. FTES: Total number of full time equivalent students enrolled at first census.
 WSCH: Weekly student contact hours generated by census enrollments. Load: The ratio of WSCH to FTEF, used to measure productivity.
 Sections: Total number of sections offered per semester. Max Enroll: The enrollment capacity or maximum enrollment as defined in curriculum.
 Fill Rate: Census Headcount divided by Max Enrollment.

Data Source: SMCCD Data Warehouse

Cañada College Productivity 2016-17

Productivity by Semester

	Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2012	192	151	1.32	19.49	585	443	7	260	73.8%
Fall 2013	166	151	1.12	16.91	507	453	6	220	75.5%
Fall 2014	173	145	1.12	17.61	528	472	6	220	78.6%
Fall 2015	205	174	1.32	20.81	624	473	7	256	80.1%
Fall 2016	178	152	1.12	17.80	534	477	6	213	83.6%
Spring 2013	190	167	1.52	19.27	578	380	8	305	62.3%
Spring 2014	186	166	1.32	18.65	559	424	7	263	70.7%
Spring 2015	199	177	1.32	19.90	597	452	7	258	77.1%
Spring 2016	286	252	1.68	28.60	858	511	8	320	89.4%
Spring 2017	363	316	1.68	36.30	1,089	648	11	390	93.1%
Summer 2012	82	63	0.40	8.20	246	615	2	90	91.1%
Summer 2013	77	68	0.76	7.79	234	307	3	140	55.0%
Summer 2014	129	113	0.80	12.90	387	484	3	175	73.7%
Summer 2015	142	125	0.80	14.20	426	533	3	150	94.7%
Summer 2016	173	161	0.80	17.30	519	649	3	170	101.8%

		<u>DE vs Non DE Courses</u>								
		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2012	FaceToFace	135	112	0.92	13.79	414	450	5	180	75.0%
	Online	57	39	0.40	5.70	171	428	2	80	71.3%
Fall 2013	FaceToFace	132	124	0.92	13.51	405	441	5	180	73.3%
	Online	34	27	0.20	3.40	102	510	1	40	85.0%
Fall 2014	FaceToFace	116	102	0.72	11.91	357	496	4	140	82.9%
	Online	57	43	0.40	5.70	171	428	2	80	71.3%
Fall 2015	FaceToFace	127	108	0.92	13.01	390	424	5	176	72.2%
	Online	78	66	0.40	7.80	234	585	2	80	97.5%
Fall 2016	FaceToFace	111	96	0.72	11.10	333	463	4	138	80.4%
	Online	67	56	0.40	6.70	201	503	2	75	89.3%
Spring 2013	FaceToFace	124	112	1.12	12.67	380	339	6	225	55.1%
	Online	66	55	0.40	6.60	198	495	2	80	82.5%
Spring 2014	FaceToFace	122	110	0.92	12.25	367	399	5	183	66.7%
	Online	64	56	0.40	6.40	192	480	2	80	80.0%
Spring 2015	FaceToFace	134	125	0.92	13.40	402	437	5	178	75.3%
	Online	65	52	0.40	6.50	195	488	2	80	81.3%
Spring 2016	FaceToFace	161	149	1.08	16.10	483	447	6	210	76.7%
	Online	125	103	0.60	12.50	375	625	2	110	113.6%
Spring 2017	FaceToFace	176	153	1.08	17.60	528	489	6	210	83.8%
	Online	187	163	0.60	18.70	561	935	5	180	103.9%
Summer 2012	Online	82	63	0.40	8.20	246	615	2	90	91.1%
Summer 2013	FaceToFace	17	15	0.36	1.79	54	149	2	60	28.3%
	Online	60	53	0.40	6.00	180	450	1	80	75.0%
Summer 2014	Online	129	113	0.80	12.90	387	484	3	175	73.7%
Summer 2015	Online	142	125	0.80	14.20	426	533	3	150	94.7%
Summer 2016	Online	173	161	0.80	17.30	519	649	3	170	101.8%

Cañada College Productivity 2016-17

Basic Skills vs Non Basic Skills Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH Load	Sections	Max Enroll	Fill Rates
Fall 2012	Non Basic Skills	192	151	1.32	19.49	585	443	7	260 73.8%
	Total	192	151	1.32	19.49	585	443	7	260 73.8%
Fall 2013	Non Basic Skills	166	151	1.12	16.91	507	453	6	220 75.5%
	Total	166	151	1.12	16.91	507	453	6	220 75.5%
Fall 2014	Non Basic Skills	173	145	1.12	17.61	528	472	6	220 78.6%
	Total	173	145	1.12	17.61	528	472	6	220 78.6%
Fall 2015	Non Basic Skills	205	174	1.32	20.81	624	473	7	256 80.1%
	Total	205	174	1.32	20.81	624	473	7	256 80.1%
Fall 2016	Non Basic Skills	178	152	1.12	17.80	534	477	6	213 83.6%
	Total	178	152	1.12	17.80	534	477	6	213 83.6%
Spring 2013	Non Basic Skills	190	167	1.52	19.27	578	380	8	305 62.3%
	Total	190	167	1.52	19.27	578	380	8	305 62.3%
Spring 2014	Non Basic Skills	186	166	1.32	18.65	559	424	7	263 70.7%
	Total	186	166	1.32	18.65	559	424	7	263 70.7%
Spring 2015	Non Basic Skills	199	177	1.32	19.90	597	452	7	258 77.1%
	Total	199	177	1.32	19.90	597	452	7	258 77.1%
Spring 2016	Non Basic Skills	286	252	1.68	28.60	858	511	8	320 89.4%
	Total	286	252	1.68	28.60	858	511	8	320 89.4%
Spring 2017	Non Basic Skills	363	316	1.68	36.30	1,089	648	11	390 93.1%
	Total	363	316	1.68	36.30	1,089	648	11	390 93.1%
Summer 2012	Non Basic Skills	82	63	0.40	8.20	246	615	2	90 91.1%
	Total	82	63	0.40	8.20	246	615	2	90 91.1%
Summer 2013	Non Basic Skills	77	68	0.76	7.79	234	307	3	140 55.0%
	Total	77	68	0.76	7.79	234	307	3	140 55.0%
Summer 2014	Non Basic Skills	129	113	0.80	12.90	387	484	3	175 73.7%
	Total	129	113	0.80	12.90	387	484	3	175 73.7%
Summer 2015	Non Basic Skills	142	125	0.80	14.20	426	533	3	150 94.7%
	Total	142	125	0.80	14.20	426	533	3	150 94.7%
Summer 2016	Non Basic Skills	173	161	0.80	17.30	519	649	3	170 101.8%
	Total	173	161	0.80	17.30	519	649	3	170 101.8%

CTE vs NonCTE Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2012	Non CTE	192	151	1.32	19.49	585	443	7	260	73.8%
	Total	192	151	1.32	19.49	585	443	7	260	73.8%
Fall 2013	Non CTE	166	151	1.12	16.91	507	453	6	220	75.5%
	Total	166	151	1.12	16.91	507	453	6	220	75.5%
Fall 2014	Non CTE	173	145	1.12	17.61	528	472	6	220	78.6%
	Total	173	145	1.12	17.61	528	472	6	220	78.6%
Fall 2015	Non CTE	205	174	1.32	20.81	624	473	7	256	80.1%
	Total	205	174	1.32	20.81	624	473	7	256	80.1%
Fall 2016	Non CTE	178	152	1.12	17.80	534	477	6	213	83.6%
	Total	178	152	1.12	17.80	534	477	6	213	83.6%
Spring 2013	Non CTE	190	167	1.52	19.27	578	380	8	305	62.3%
	Total	190	167	1.52	19.27	578	380	8	305	62.3%
Spring 2014	Non CTE	186	166	1.32	18.65	559	424	7	263	70.7%
	Total	186	166	1.32	18.65	559	424	7	263	70.7%
Spring 2015	Non CTE	199	177	1.32	19.90	597	452	7	258	77.1%
	Total	199	177	1.32	19.90	597	452	7	258	77.1%
Spring 2016	Non CTE	286	252	1.68	28.60	858	511	8	320	89.4%
	Total	286	252	1.68	28.60	858	511	8	320	89.4%
Spring 2017	Non CTE	363	316	1.68	36.30	1,089	648	11	390	93.1%
	Total	363	316	1.68	36.30	1,089	648	11	390	93.1%
Summer 2012	Non CTE	82	63	0.40	8.20	246	615	2	90	91.1%
	Total	82	63	0.40	8.20	246	615	2	90	91.1%
Summer 2013	Non CTE	77	68	0.76	7.79	234	307	3	140	55.0%
	Total	77	68	0.76	7.79	234	307	3	140	55.0%
Summer 2014	Non CTE	129	113	0.80	12.90	387	484	3	175	73.7%
	Total	129	113	0.80	12.90	387	484	3	175	73.7%
Summer 2015	Non CTE	142	125	0.80	14.20	426	533	3	150	94.7%
	Total	142	125	0.80	14.20	426	533	3	150	94.7%
Summer 2016	Non CTE	173	161	0.80	17.30	519	649	3	170	101.8%
	Total	173	161	0.80	17.30	519	649	3	170	101.8%

Transfer vs Non Transfer Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2012	Yes	192	151	1.32	19.49	585	443	7	260	73.8%
	Total	192	151	1.32	19.49	585	443	7	260	73.8%
Fall 2013	Yes	166	151	1.12	16.91	507	453	6	220	75.5%
	Total	166	151	1.12	16.91	507	453	6	220	75.5%
Fall 2014	Yes	173	145	1.12	17.61	528	472	6	220	78.6%
	Total	173	145	1.12	17.61	528	472	6	220	78.6%
Fall 2015	Yes	205	174	1.32	20.81	624	473	7	256	80.1%
	Total	205	174	1.32	20.81	624	473	7	256	80.1%
Fall 2016	Yes	178	152	1.12	17.80	534	477	6	213	83.6%
	Total	178	152	1.12	17.80	534	477	6	213	83.6%
Spring 2013	Yes	190	167	1.52	19.27	578	380	8	305	62.3%
	Total	190	167	1.52	19.27	578	380	8	305	62.3%
Spring 2014	Yes	186	166	1.32	18.65	559	424	7	263	70.7%
	Total	186	166	1.32	18.65	559	424	7	263	70.7%
Spring 2015	Yes	199	177	1.32	19.90	597	452	7	258	77.1%
	Total	199	177	1.32	19.90	597	452	7	258	77.1%
Spring 2016	Yes	286	252	1.68	28.60	858	511	8	320	89.4%
	Total	286	252	1.68	28.60	858	511	8	320	89.4%
Spring 2017	Yes	363	316	1.68	36.30	1,089	648	11	390	93.1%
	Total	363	316	1.68	36.30	1,089	648	11	390	93.1%
Summer 2012	Yes	82	63	0.40	8.20	246	615	2	90	91.1%
	Total	82	63	0.40	8.20	246	615	2	90	91.1%
Summer 2013	Yes	77	68	0.76	7.79	234	307	3	140	55.0%
	Total	77	68	0.76	7.79	234	307	3	140	55.0%
Summer 2014	Yes	129	113	0.80	12.90	387	484	3	175	73.7%
	Total	129	113	0.80	12.90	387	484	3	175	73.7%
Summer 2015	Yes	142	125	0.80	14.20	426	533	3	150	94.7%
	Total	142	125	0.80	14.20	426	533	3	150	94.7%
Summer 2016	Yes	173	161	0.80	17.30	519	649	3	170	101.8%
	Total	173	161	0.80	17.30	519	649	3	170	101.8%

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		Day vs Evening Courses								
		Census	End of Term						Max	Fill
		Headcount	Headcount	FTEF	FTES	WSCH	Load	Sections	Enroll	Rates
Fall 2012	Day	135	112	0.92	13.79	414	450	5	180	75.0%
	Evening	57	39	0.40	5.70	171	428	2	80	71.3%
Fall 2013	Day	132	124	0.92	13.51	405	441	5	180	73.3%
	Evening	34	27	0.20	3.40	102	510	1	40	85.0%
Fall 2014	Day	116	102	0.72	11.91	357	496	4	140	82.9%
	Evening	57	43	0.40	5.70	171	428	2	80	71.3%
Fall 2015	Day	127	108	0.92	13.01	390	424	5	176	72.2%
	Evening	78	66	0.40	7.80	234	585	2	80	97.5%
Fall 2016	Day	111	96	0.72	11.10	333	463	4	138	80.4%
	Evening	67	56	0.40	6.70	201	503	2	75	89.3%
Spring 2013	Day	108	100	0.92	10.80	324	352	5	185	58.4%
	Evening	82	67	0.60	8.47	254	423	3	120	68.3%
Spring 2014	Day	106	97	0.72	10.60	318	442	4	143	74.1%
	Evening	80	69	0.60	8.05	241	402	3	120	66.7%
Spring 2015	Day	134	125	0.92	13.40	402	437	5	178	75.3%
	Evening	65	52	0.40	6.50	195	488	2	80	81.3%
Spring 2016	Day	161	149	1.08	16.10	483	447	6	210	76.7%
	Evening	125	103	0.60	12.50	375	625	2	110	113.6%
Spring 2017	Day	176	153	1.08	17.60	528	489	6	210	83.8%
	Evening	187	163	0.60	18.70	561	935	5	180	103.9%
Summer 2012	Evening	82	63	0.40	8.20	246	615	2	90	91.1%
Summer 2013	Day	17	15	0.36	1.79	54	149	2	60	28.3%
	Evening	60	53	0.40	6.00	180	450	1	80	75.0%
Summer 2014	Evening	129	113	0.80	12.90	387	484	3	175	73.7%
Summer 2015	Evening	142	125	0.80	14.20	426	533	3	150	94.7%
Summer 2016	Evening	173	161	0.80	17.30	519	649	3	170	101.8%

Productivity by Courses by Semester

			Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
Fall 2012	GEOL 100	Introduction To Geology	40	30	0.20	4.00	120	600	1	40	100%
		Survey of Geology	16	15	0.20	1.60	48	240	1	40	40%
	101	Geology Laboratory	9	8	0.16	0.90	27	169	1	30	30%
	METE 100	Elementary Meteorology	24	18	0.20	2.40	72	360	1	40	60%
	OCEN 100	Oceanography	74	55	0.40	7.40	222	555	2	80	93%
		101	Oceanography Lab	29	25	0.16	3.19	96	598	1	30
	Total			192	151	1.32	19.49	585	443	7	260
Fall 2013	GEOL 100	Introduction To Geology	27	27	0.20	2.70	81	405	1	40	68%
		Introduction to Geology	22	19	0.20	2.20	66	330	1	40	55%
		101	Geology Laboratory	14	14	0.16	1.40	42	263	1	30
	OCEN 100	Oceanography	72	61	0.40	7.20	216	540	2	80	90%
		101	Oceanography Lab	31	30	0.16	3.41	102	639	1	30
	Total			166	151	1.12	16.91	507	453	6	220
Fall 2014	ENVS 115	Environmental Science	22	14	0.20	2.20	66	330	1	40	55%
	GEOL 100	Introduction To Geology	29	26	0.20	2.90	87	435	1	40	73%
		101	Geology Laboratory	14	9	0.16	1.40	42	263	1	30
	OCEN 100	Oceanography	77	65	0.40	7.70	231	578	2	80	96%
		101	Oceanography Lab	31	31	0.16	3.41	102	639	1	30
Total			173	145	1.12	17.61	528	472	6	220	79%
Fall 2015	ENVS 115	Environmental Science	38	33	0.40	3.80	114	285	2	78	49%
	GEOL 100	Introduction to Geology	28	19	0.20	2.80	84	420	1	38	74%
		101	Geology Laboratory	16	14	0.16	1.60	48	300	1	30
	OCEN 100	Oceanography	92	79	0.40	9.20	276	690	2	80	115%
		101	Oceanography Lab	31	29	0.16	3.41	102	639	1	30
Total			205	174	1.32	20.81	624	473	7	256	80%
Fall 2016	ENVS 115	Environmental Science	25	20	0.20	2.50	75	375	1	40	63%
	GEOL 100	Introduction to Geology	27	20	0.20	2.70	81	405	1	38	71%
		101	Geology Laboratory	14	12	0.16	1.40	42	263	1	30
	OCEN 100	Oceanography	85	76	0.40	8.50	255	638	2	75	113%
		101	Oceanography Lab	27	24	0.16	2.70	81	506	1	30

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Productivity by Courses by Semester

			Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate	
Total			178	152	1.12	17.80	534	477	6	213	84%	
Spring 2013	ENVS	115	Environmental Science	14	13	0.20	1.40	42	210	1	40	35%
	GEOL	100	Introduction to Geology	34	28	0.40	3.67	110	275	2	80	43%
		101	Geology Laboratory	13	12	0.16	1.30	39	244	1	30	43%
	METE	100	Meteorology -Weather Processes	28	23	0.20	2.80	84	420	1	40	70%
	OCEN	100	Oceanography	77	69	0.40	7.70	231	578	2	85	91%
		101	Oceanography Lab	24	22	0.16	2.40	72	450	1	30	80%
	Total			190	167	1.52	19.27	578	380	8	305	62%
Spring 2014	ENVS	115	Environmental Science	18	15	0.20	1.80	54	270	1	40	45%
	GEOL	100	Introduction to Geology	42	39	0.40	4.25	127	318	2	80	53%
		101	Geology Laboratory	10	8	0.16	1.00	30	188	1	30	33%
	OCEN	100	Oceanography	83	73	0.40	8.30	249	623	2	83	100%
		101	Oceanography Lab	33	31	0.16	3.30	99	619	1	30	110%
	Total			186	166	1.32	18.65	559	424	7	263	71%
Spring 2015	ENVS	115	Environmental Science	35	26	0.40	3.50	105	263	2	75	47%
	GEOL	100	Introduction to Geology	26	24	0.20	2.60	78	390	1	40	65%
	OCEN	100	Oceanography	92	84	0.40	9.20	276	690	2	83	111%
		101	Oceanography Lab	46	43	0.32	4.60	138	431	2	60	77%
	Total			199	177	1.32	19.90	597	452	7	258	77%
Spring 2016	ENVS	115	Environmental Science	52	37	0.40	5.20	156	390	2	75	69%
	GEOL	100	Introduction to Geology	40	36	0.20	4.00	120	600	1	40	100%
		101	Geology Laboratory	22	20	0.16	2.20	66	413	1	30	73%
	OCEN	100	Oceanography	137	126	0.60	13.70	411	685	2	115	119%
		101	Oceanography Lab	35	33	0.32	3.50	105	328	2	60	58%
	Total			286	252	1.68	28.60	858	511	8	320	89%
Spring 2017	ENVS	115	Environmental Science	67	50	0.40	6.70	201	503	2	75	89%
	GEOL	100	Introduction to Geology	27	23	0.20	2.70	81	405	1	40	68%
			Survey of Geology	47	46	0.00	4.70	141	#INF	1	50	94%
		101	Geology Laboratory	16	15	0.16	1.60	48	300	1	30	53%
	OCEN	100	Oceanography	156	139	0.60	15.60	468	780	4	180	87%

Cañada College Productivity 2016-17

Productivity by Courses by Semester

			Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
	101	Oceanography Lab	50	43	0.32	5.00	150	469	2	60	83%
	Total		363	316	1.68	36.30	1,089	648	11	435	83%
Summer 2012	OCEN 100	Oceanography	82	63	0.40	8.20	246	615	2	90	91%
	Total		82	63	0.40	8.20	246	615	2	90	91%
Summer 2013	GEOL 100	Survey of Geology	11	9	0.20	1.16	35	173	1	30	37%
	101	Geology Laboratory	6	6	0.16	0.63	19	118	1	30	20%
	OCEN 100	Oceanography	60	53	0.40	6.00	180	450	1	80	75%
	Total		77	68	0.76	7.79	234	307	3	140	55%
Summer 2014	METE 100	Elementary Meteorology	23	20	0.20	2.30	69	345	1	45	51%
	OCEN 100	Oceanography	106	93	0.60	10.60	318	530	2	130	82%
	Total		129	113	0.80	12.90	387	484	3	175	74%
Summer 2015	METE 100	Meteorology -Weather & Climate	36	32	0.20	3.60	108	540	1	45	80%
	OCEN 100	Oceanography	106	93	0.60	10.60	318	530	2	105	101%
	Total		142	125	0.80	14.20	426	533	3	150	95%
Summer 2016	METE 100	Meteorology -Weather & Climate	41	38	0.20	4.10	123	615	1	45	91%
	OCEN 100	Oceanography	132	123	0.60	13.20	396	660	2	125	106%
	Total		173	161	0.80	17.30	519	649	3	170	102%