



Productivity 2013/14 through 2017/18 Physics (PHYS)

List of Tables:

1. Productivity by Year
2. Productivity by Semester
3. DE vs Non-DE Courses
4. Basic Skills vs Non-Basic Skills Courses
5. CTE vs Non-CTE Courses
6. Transfer vs Non-Transfer Courses
7. Day vs. Evening Courses
8. Productivity by Courses by Semester

Productivity by Year

	Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
2013/14	335	262	5.29	67.27	2,018	381	19	468	71.6%
2014/15	333	276	5.33	64.04	1,921	360	18	444	75.0%
2015/16	370	282	5.00	72.52	2,176	435	16	390	94.9%
2016/17	358	293	4.80	70.67	2,120	442	16	390	91.8%
2017/18	309	261	4.08	60.25	1,807	443	14	354	87.3%

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

Productivity by Semester

	Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2013	165	123	2.39	31.99	960	402	9	228	72.4%
Fall 2014	150	119	2.39	27.63	829	347	9	228	65.8%
Fall 2015	166	121	2.16	31.21	936	433	7	174	95.4%
Fall 2016	154	118	2.32	29.29	879	379	8	198	77.8%
Fall 2017	151	133	1.96	28.39	852	435	7	186	81.2%
Spring 2014	149	120	2.55	30.87	926	364	9	216	69.0%
Spring 2015	165	140	2.59	32.62	979	378	8	192	85.9%
Spring 2016	186	146	2.48	37.68	1,130	456	8	192	96.9%
Spring 2017	186	158	2.12	37.75	1,133	534	7	168	110.7%
Spring 2018	135	109	1.76	27.22	817	464	6	144	93.8%
Summer 2013	21	19	0.36	4.42	132	368	1	24	87.5%
Summer 2014	18	17	0.36	3.79	114	315	1	24	75.0%
Summer 2015	18	15	0.36	3.63	109	302	1	24	75.0%
Summer 2016	18	17	0.36	3.63	109	302	1	24	75.0%
Summer 2017	23	19	0.36	4.64	139	386	1	24	95.8%

		<u>DE vs Non DE Courses</u>								
		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2013	FaceToFace	165	123	2.39	31.99	960	402	9	228	72.4%
Fall 2014	FaceToFace	150	119	2.39	27.63	829	347	9	228	65.8%
Fall 2015	FaceToFace	166	121	2.16	31.21	936	433	7	174	95.4%
Fall 2016	FaceToFace	154	118	2.32	29.29	879	379	8	198	77.8%
Fall 2017	FaceToFace	151	133	1.96	28.39	852	435	7	186	81.2%
Spring 2014	FaceToFace	149	120	2.55	30.87	926	364	9	216	69.0%
Spring 2015	FaceToFace	165	140	2.59	32.62	979	378	8	192	85.9%
Spring 2016	FaceToFace	186	146	2.48	37.68	1,130	456	8	192	96.9%
Spring 2017	FaceToFace	186	158	2.12	37.75	1,133	534	7	168	110.7%
Spring 2018	FaceToFace	135	109	1.76	27.22	817	464	6	144	93.8%
Summer 2013	FaceToFace	21	19	0.36	4.42	132	368	1	24	87.5%
Summer 2014	FaceToFace	18	17	0.36	3.79	114	315	1	24	75.0%
Summer 2015	FaceToFace	18	15	0.36	3.63	109	302	1	24	75.0%
Summer 2016	FaceToFace	18	17	0.36	3.63	109	302	1	24	75.0%
Summer 2017	FaceToFace	23	19	0.36	4.64	139	386	1	24	95.8%

Basic Skills vs Non Basic Skills Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2013	Non Basic Skills	165	123	2.39	31.99	960	402	9	228	72.4%
	Total	165	123	2.39	31.99	960	402	9	228	72.4%
Fall 2014	Non Basic Skills	150	119	2.39	27.63	829	347	9	228	65.8%
	Total	150	119	2.39	27.63	829	347	9	228	65.8%
Fall 2015	Non Basic Skills	166	121	2.16	31.21	936	433	7	174	95.4%
	Total	166	121	2.16	31.21	936	433	7	174	95.4%
Fall 2016	Non Basic Skills	154	118	2.32	29.29	879	379	8	198	77.8%
	Total	154	118	2.32	29.29	879	379	8	198	77.8%
Fall 2017	Non Basic Skills	151	133	1.96	28.39	852	435	7	186	81.2%
	Total	151	133	1.96	28.39	852	435	7	186	81.2%
Spring 2014	Non Basic Skills	149	120	2.55	30.87	926	364	9	216	69.0%
	Total	149	120	2.55	30.87	926	364	9	216	69.0%
Spring 2015	Non Basic Skills	165	140	2.59	32.62	979	378	8	192	85.9%
	Total	165	140	2.59	32.62	979	378	8	192	85.9%
Spring 2016	Non Basic Skills	186	146	2.48	37.68	1,130	456	8	192	96.9%
	Total	186	146	2.48	37.68	1,130	456	8	192	96.9%
Spring 2017	Non Basic Skills	186	158	2.12	37.75	1,133	534	7	168	110.7%
	Total	186	158	2.12	37.75	1,133	534	7	168	110.7%
Spring 2018	Non Basic Skills	135	109	1.76	27.22	817	464	6	144	93.8%
	Total	135	109	1.76	27.22	817	464	6	144	93.8%
Summer 2013	Non Basic Skills	21	19	0.36	4.42	132	368	1	24	87.5%
	Total	21	19	0.36	4.42	132	368	1	24	87.5%
Summer 2014	Non Basic Skills	18	17	0.36	3.79	114	315	1	24	75.0%
	Total	18	17	0.36	3.79	114	315	1	24	75.0%
Summer 2015	Non Basic Skills	18	15	0.36	3.63	109	302	1	24	75.0%
	Total	18	15	0.36	3.63	109	302	1	24	75.0%

Basic Skills vs Non Basic Skills Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Summer 2016	Non Basic Skills	18	17	0.36	3.63	109	302	1	24	75.0%
	Total	18	17	0.36	3.63	109	302	1	24	75.0%
Summer 2017	Non Basic Skills	23	19	0.36	4.64	139	386	1	24	95.8%
	Total	23	19	0.36	4.64	139	386	1	24	95.8%

CTE vs NonCTE Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2013	Non CTE	165	123	2.39	31.99	960	402	9	228	72.4%
	Total	165	123	2.39	31.99	960	402	9	228	72.4%
Fall 2014	Non CTE	150	119	2.39	27.63	829	347	9	228	65.8%
	Total	150	119	2.39	27.63	829	347	9	228	65.8%
Fall 2015	Non CTE	166	121	2.16	31.21	936	433	7	174	95.4%
	Total	166	121	2.16	31.21	936	433	7	174	95.4%
Fall 2016	Non CTE	154	118	2.32	29.29	879	379	8	198	77.8%
	Total	154	118	2.32	29.29	879	379	8	198	77.8%
Fall 2017	Non CTE	151	133	1.96	28.39	852	435	7	186	81.2%
	Total	151	133	1.96	28.39	852	435	7	186	81.2%
Spring 2014	Non CTE	149	120	2.55	30.87	926	364	9	216	69.0%
	Total	149	120	2.55	30.87	926	364	9	216	69.0%
Spring 2015	Non CTE	165	140	2.59	32.62	979	378	8	192	85.9%
	Total	165	140	2.59	32.62	979	378	8	192	85.9%
Spring 2016	Non CTE	186	146	2.48	37.68	1,130	456	8	192	96.9%
	Total	186	146	2.48	37.68	1,130	456	8	192	96.9%

CTE vs NonCTE Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Spring 2017	Non CTE	186	158	2.12	37.75	1,133	534	7	168	110.7%
	Total	186	158	2.12	37.75	1,133	534	7	168	110.7%
Spring 2018	Non CTE	135	109	1.76	27.22	817	464	6	144	93.8%
	Total	135	109	1.76	27.22	817	464	6	144	93.8%
Summer 2013	Non CTE	21	19	0.36	4.42	132	368	1	24	87.5%
	Total	21	19	0.36	4.42	132	368	1	24	87.5%
Summer 2014	Non CTE	18	17	0.36	3.79	114	315	1	24	75.0%
	Total	18	17	0.36	3.79	114	315	1	24	75.0%
Summer 2015	Non CTE	18	15	0.36	3.63	109	302	1	24	75.0%
	Total	18	15	0.36	3.63	109	302	1	24	75.0%
Summer 2016	Non CTE	18	17	0.36	3.63	109	302	1	24	75.0%
	Total	18	17	0.36	3.63	109	302	1	24	75.0%
Summer 2017	Non CTE	23	19	0.36	4.64	139	386	1	24	95.8%
	Total	23	19	0.36	4.64	139	386	1	24	95.8%

Transfer vs Non Transfer Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2013	Yes	165	123	2.39	31.99	960	402	9	228	72.4%
	Total	165	123	2.39	31.99	960	402	9	228	72.4%
Fall 2014	Yes	150	119	2.39	27.63	829	347	9	228	65.8%
	Total	150	119	2.39	27.63	829	347	9	228	65.8%
Fall 2015	Yes	166	121	2.16	31.21	936	433	7	174	95.4%

Transfer vs Non Transfer Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2016	Total	166	121	2.16	31.21	936	433	7	174	95.4%
	Yes	154	118	2.32	29.29	879	379	8	198	77.8%
Fall 2017	Total	154	118	2.32	29.29	879	379	8	198	77.8%
	Yes	151	133	1.96	28.39	852	435	7	186	81.2%
Spring 2014	Total	151	133	1.96	28.39	852	435	7	186	81.2%
	Yes	149	120	2.55	30.87	926	364	9	216	69.0%
Spring 2015	Total	149	120	2.55	30.87	926	364	9	216	69.0%
	Yes	165	140	2.59	32.62	979	378	8	192	85.9%
Spring 2016	Total	165	140	2.59	32.62	979	378	8	192	85.9%
	Yes	186	146	2.48	37.68	1,130	456	8	192	96.9%
Spring 2017	Total	186	146	2.48	37.68	1,130	456	8	192	96.9%
	Yes	186	158	2.12	37.75	1,133	534	7	168	110.7%
Spring 2018	Total	186	158	2.12	37.75	1,133	534	7	168	110.7%
	Yes	135	109	1.76	27.22	817	464	6	144	93.8%
Summer 2013	Total	135	109	1.76	27.22	817	464	6	144	93.8%
	Yes	21	19	0.36	4.42	132	368	1	24	87.5%
Summer 2014	Total	21	19	0.36	4.42	132	368	1	24	87.5%
	Yes	18	17	0.36	3.79	114	315	1	24	75.0%
Summer 2015	Total	18	17	0.36	3.79	114	315	1	24	75.0%
	Yes	18	15	0.36	3.63	109	302	1	24	75.0%
Summer 2016	Total	18	15	0.36	3.63	109	302	1	24	75.0%
	Yes	18	17	0.36	3.63	109	302	1	24	75.0%
Summer 2017	Total	18	17	0.36	3.63	109	302	1	24	75.0%
	Yes	23	19	0.36	4.64	139	386	1	24	95.8%
	Total	23	19	0.36	4.64	139	386	1	24	95.8%

Day vs Evening Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2013	Day	119	90	1.60	22.14	664	415	6	150	79.3%
	Evening	46	33	0.79	9.85	295	375	3	78	59.0%
Fall 2014	Day	106	88	1.60	19.20	576	360	6	150	70.7%
	Evening	44	31	0.79	8.43	253	321	3	78	56.4%
Fall 2015	Day	125	88	1.44	22.60	678	471	5	126	99.2%
	Evening	41	33	0.72	8.61	258	359	2	48	85.4%
Fall 2016	Day	115	87	1.60	21.10	633	396	6	150	76.7%
	Evening	39	31	0.72	8.19	246	341	2	48	81.3%
Fall 2017	Day	132	119	1.60	24.40	732	458	6	162	81.5%
	Evening	19	14	0.36	3.99	120	333	1	24	79.2%
Spring 2014	Day	77	60	1.24	15.40	462	373	4	96	80.2%
	Evening	72	60	1.31	15.47	464	355	5	120	60.0%
Spring 2015	Day	72	59	1.08	14.40	432	400	3	72	100.0%
	Evening	93	81	1.51	18.22	547	363	5	120	77.5%
Spring 2016	Day	118	91	1.40	23.60	708	506	5	120	98.3%
	Evening	68	55	1.08	14.08	422	391	3	72	94.4%
Spring 2017	Day	131	112	1.40	26.20	786	561	5	120	109.2%
	Evening	55	46	0.72	11.55	347	481	2	48	114.6%
Spring 2018	Day	113	92	1.40	22.60	678	484	5	120	94.2%
	Evening	22	17	0.36	4.62	139	385	1	24	91.7%
Summer 2013	Day	21	19	0.36	4.42	132	368	1	24	87.5%
Summer 2014	Day	18	17	0.36	3.79	114	315	1	24	75.0%
Summer 2015	Day	18	15	0.36	3.63	109	302	1	24	75.0%
Summer 2016	Day	18	17	0.36	3.63	109	302	1	24	75.0%
Summer 2017	Day	23	19	0.36	4.64	139	386	1	24	95.8%

Productivity by Courses by Semester

				Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
Fall 2013	PHYS	210	General Physics I	62	42	0.88	12.91	387	440	3	72	86%
		211	General Physics I-Calculus Sup	3	3	0.07	0.10	3	45	1	30	10%
		250	Physics with Calculus I	57	46	0.88	12.04	361	410	3	72	79%
		260	Physics with Calculus II	22	14	0.36	4.84	145	403	1	24	92%
		405	Applied Radiographic Physics	21	18	0.20	2.10	63	315	1	30	70%
		Total		165	123	2.39	31.99	960	402	9	228	72%
Fall 2014	PHYS	210	General Physics I	45	33	0.88	9.48	284	323	3	72	63%
		211	General Physics I-Calculus Sup	8	8	0.07	0.27	8	120	1	30	27%
		250	Physics with Calculus I	42	31	0.72	8.88	266	370	2	48	88%
		260	Physics with Calculus II	35	28	0.52	7.00	210	404	2	48	73%
		405	Applied Radiographic Physics	20	19	0.20	2.00	60	300	1	30	67%
		Total		150	119	2.39	27.63	829	347	9	228	66%
Fall 2015	PHYS	210	General Physics I	49	30	0.72	9.99	300	416	2	48	102%
		250	Physics with Calculus I	48	34	0.72	9.82	295	409	2	48	100%
		260	Physics with Calculus II	45	35	0.52	9.00	270	519	2	48	94%
		405	Applied Radiographic Physics	24	22	0.20	2.40	72	360	1	30	80%
		Total		166	121	2.16	31.21	936	433	7	174	95%
Fall 2016	PHYS	210	General Physics I	28	26	0.72	5.72	172	238	2	48	58%
		250	Physics with Calculus I	50	36	0.72	10.27	308	428	2	48	104%

Productivity by Courses by Semester

				Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
		260	Physics with Calculus II	57	37	0.68	11.40	342	503	3	72	79%
		405	Applied Radiographic Physics	19	19	0.20	1.90	57	285	1	30	63%
	Total			154	118	2.32	29.29	879	379	8	198	78%
Fall 2017	PHYS	210	General Physics I	43	37	0.72	8.79	264	366	2	48	90%
		250	Physics with Calculus I	47	39	0.52	9.40	282	542	2	120	39%
		260	Physics with Calculus II	41	37	0.52	8.20	246	473	2	48	85%
		405	Applied Radiographic Physics	20	20	0.20	2.00	60	300	1	30	67%
	Total			151	133	1.96	28.39	852	435	7	246	61%
Spring 2014	PHYS	220	General Physics II	35	29	0.72	7.42	223	309	2	48	73%
		221	Gen Physics II Calculus Sup	2	2	0.07	0.07	2	30	1	24	8%
		250	Physics with Calculus I	40	24	0.88	8.00	240	273	3	72	56%
		260	Physics with Calculus II	42	37	0.52	9.38	281	541	2	48	88%
		270	Physics with Calculus III	30	28	0.36	6.00	180	500	1	24	125%
	Total			149	120	2.55	30.87	926	364	9	216	69%
Spring 2015	PHYS	220	General Physics II	30	28	0.36	6.70	201	558	1	24	125%
		221	Gen Physics II Calculus Sup	12	11	0.07	0.40	12	180	1	24	50%
		250	Physics with Calculus I	51	39	0.72	10.40	312	433	2	48	106%
		260	Physics with Calculus II	31	25	0.72	6.92	208	288	2	48	65%
		270	Physics with Calculus III	41	37	0.72	8.20	246	342	2	48	85%

Productivity by Courses by Semester

				Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
Total				165	140	2.59	32.62	979	378	8	192	86%
Spring 2016	PHYS	220	General Physics II	22	19	0.36	4.62	139	385	1	24	92%
		250	Physics with Calculus I	67	52	0.88	13.40	402	457	3	72	93%
		260	Physics with Calculus II	49	32	0.72	10.06	302	419	2	48	102%
		270	Physics with Calculus III	48	43	0.52	9.60	288	554	2	48	100%
	Total			186	146	2.48	37.68	1,130	456	8	192	97%
Spring 2017	PHYS	220	General Physics II	36	34	0.36	7.56	227	630	1	24	150%
		250	Physics with Calculus I	49	38	0.52	9.80	294	565	2	48	102%
		260	Physics with Calculus II	44	31	0.72	8.99	270	375	2	48	92%
		270	Physics with Calculus III	57	55	0.52	11.40	342	658	2	48	119%
	Total			186	158	2.12	37.75	1,133	534	7	168	111%
Spring 2018	PHYS	220	General Physics II	22	17	0.36	4.62	139	385	1	24	92%
		250	Physics with Calculus I	33	25	0.52	6.60	198	381	2	48	69%
		260	Physics with Calculus II	28	23	0.36	5.60	168	467	1	24	117%
		270	Physics with Calculus III	52	44	0.52	10.40	312	600	2	48	108%
	Total			135	109	1.76	27.22	817	464	6	144	94%
Summer 2013	PHYS	260	Physics with Calculus II	21	19	0.36	4.42	132	368	1	24	88%
	Total			21	19	0.36	4.42	132	368	1	24	88%
Summer 2014	PHYS	260	Physics with Calculus II	18	17	0.36	3.79	114	315	1	24	75%

Productivity by Courses by Semester

				Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
----- Total				18	17	0.36	3.79	114	315	1	24	75%
Summer 2015	PHYS	260	Physics with Calculus II	18	15	0.36	3.63	109	302	1	24	75%
	Total				18	15	0.36	3.63	109	302	1	24
Summer 2016	PHYS	260	Physics with Calculus II	18	17	0.36	3.63	109	302	1	24	75%
	Total				18	17	0.36	3.63	109	302	1	24
Summer 2017	PHYS	260	Physics with Calculus II	23	19	0.36	4.64	139	386	1	24	96%
	Total				23	19	0.36	4.64	139	386	1	24