



Productivity 2008/09 through 2013/14 Computer Information Systems (CIS)

Productivity by Year

	Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
2009/10	208	123	1.54	19.29	579	376	14	440	47.3%
2010/11	198	138	1.00	21.26	638	638	8	240	82.5%
2011/12	333	201	1.60	33.63	1,009	631	13	390	85.4%
2012/13	137	108	1.52	20.68	620	408	8	215	63.7%
2013/14	296	228	3.20	49.40	1,482	463	15	477	62.1%

Productivity by Semester

	Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2009	95	55	0.74	6.79	204	275	5	160	59.4%
Fall 2010	75	60	0.40	8.44	253	633	3	90	83.3%
Fall 2011	142	95	0.80	15.08	452	566	6	180	78.9%
Fall 2012	63	46	0.76	10.89	327	430	3	85	74.1%
Fall 2013	136	110	1.68	26.81	804	479	6	200	68.0%
Spring 2010	113	68	0.80	12.50	375	469	9	280	40.4%
Spring 2011	123	78	0.60	12.82	385	641	5	150	82.0%
Spring 2012	191	106	0.80	18.55	556	696	7	210	91.0%
Spring 2013	74	62	0.76	9.80	294	387	5	130	56.9%
Spring 2014	160	118	1.52	22.58	678	446	9	277	57.8%

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.

DE vs Non DE Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2009	FaceToFace	54	31	0.60	5.43	163	271	3	95	56.8%
	Online	41	24	0.14	1.37	41	293	2	65	63.1%
	Total	95	55	0.74	6.79	204	275	5	160	59.4%
Fall 2010	FaceToFace	46	36	0.40	5.05	152	379	2	60	76.7%
	Online	29	24	0.00	3.38	102	#INF	1	30	96.7%
	Total	75	60	0.40	8.44	253	633	3	90	83.3%
Fall 2011	FaceToFace	106	67	0.80	11.12	334	417	5	140	75.7%
	Online	36	28	0.00	3.96	119	#INF	1	40	90.0%
	Total	142	95	0.80	15.08	452	566	6	180	78.9%
Fall 2012	FaceToFace	39	26	0.56	6.01	180	322	2	55	70.9%
	Online	24	20	0.20	4.88	146	732	1	30	80.0%
	Total	63	46	0.76	10.89	327	430	3	85	74.1%
Fall 2013	FaceToFace	108	90	1.32	20.93	628	476	5	160	67.5%
	Online	28	20	0.36	5.88	176	490	1	40	70.0%
	Total	136	110	1.68	26.81	804	479	6	200	68.0%
Spring 2010	FaceToFace	66	41	0.80	7.02	211	263	5	150	44.0%
	Online	47	27	0.00	5.48	165	#INF	4	130	36.2%
	Total	113	68	0.80	12.50	375	469	9	280	40.4%
Spring 2011	FaceToFace	70	45	0.60	6.99	210	350	3	90	77.8%
	Online	53	33	0.00	5.83	175	#INF	2	60	88.3%
	Total	123	78	0.60	12.82	385	641	5	150	82.0%
Spring 2012	FaceToFace	107	63	0.80	10.53	316	395	4	120	89.2%
	Online	84	43	0.00	8.01	240	#INF	3	90	93.3%
	Total	191	106	0.80	18.55	556	696	7	210	91.0%
Spring 2013	FaceToFace	61	50	0.76	8.37	251	330	4	100	61.0%
	Online	13	12	0.00	1.43	43	#INF	1	30	43.3%
	Total	74	62	0.76	9.80	294	387	5	130	56.9%
Spring 2014	FaceToFace	125	94	1.16	15.23	457	394	8	242	51.7%
	Online	35	24	0.36	7.35	221	613	1	35	100.0%
	Total	160	118	1.52	22.58	678	446	9	277	57.8%

Basic Skills vs Non Basic Skills Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2009	Non Basic Skills	95	55	0.74	6.79	204	275	5	160	59.4%
	Total	95	55	0.74	6.79	204	275	5	160	59.4%
Fall 2010	Non Basic Skills	75	60	0.40	8.44	253	633	3	90	83.3%
	Total	75	60	0.40	8.44	253	633	3	90	83.3%
Fall 2011	Non Basic Skills	142	95	0.80	15.08	452	566	6	180	78.9%
	Total	142	95	0.80	15.08	452	566	6	180	78.9%
Fall 2012	Non Basic Skills	63	46	0.76	10.89	327	430	3	85	74.1%
	Total	63	46	0.76	10.89	327	430	3	85	74.1%
Fall 2013	Non Basic Skills	136	110	1.68	26.81	804	479	6	200	68.0%
	Total	136	110	1.68	26.81	804	479	6	200	68.0%
Spring 2010	Non Basic Skills	113	68	0.80	12.50	375	469	9	280	40.4%
	Total	113	68	0.80	12.50	375	469	9	280	40.4%
Spring 2011	Non Basic Skills	123	78	0.60	12.82	385	641	5	150	82.0%
	Total	123	78	0.60	12.82	385	641	5	150	82.0%
Spring 2012	Non Basic Skills	191	106	0.80	18.55	556	696	7	210	91.0%
	Total	191	106	0.80	18.55	556	696	7	210	91.0%
Spring 2013	Non Basic Skills	74	62	0.76	9.80	294	387	5	130	56.9%
	Total	74	62	0.76	9.80	294	387	5	130	56.9%
Spring 2014	Non Basic Skills	160	118	1.52	22.58	678	446	9	277	57.8%
	Total	160	118	1.52	22.58	678	446	9	277	57.8%

CTE vs NonCTE Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2009	CTE	82	48	0.54	5.28	158	293	4	130	63.1%
	Non CTE	13	7	0.20	1.52	46	228	1	30	43.3%
	Total	95	55	0.74	6.79	204	275	5	160	59.4%
Fall 2010	CTE	58	47	0.20	6.28	189	943	2	60	96.7%
	Non CTE	17	13	0.20	2.15	65	323	1	30	56.7%
	Total	75	60	0.40	8.44	253	633	3	90	83.3%
Fall 2011	CTE	108	68	0.40	11.34	340	851	4	120	90.0%
	Non CTE	34	27	0.40	3.74	112	281	2	60	56.7%
	Total	142	95	0.80	15.08	452	566	6	180	78.9%
Fall 2012	CTE	46	34	0.56	8.90	267	477	2	55	83.6%
	Non CTE	17	12	0.20	1.98	60	298	1	30	56.7%
	Total	63	46	0.76	10.89	327	430	3	85	74.1%
Fall 2013	CTE	118	97	1.48	24.71	741	501	5	170	69.4%
	Non CTE	18	13	0.20	2.10	63	315	1	30	60.0%
	Total	136	110	1.68	26.81	804	479	6	200	68.0%
Spring 2010	CTE	94	53	0.60	10.28	309	514	8	250	37.6%
	Non CTE	19	15	0.20	2.22	67	333	1	30	63.3%
	Total	113	68	0.80	12.50	375	469	9	280	40.4%
Spring 2011	CTE	106	66	0.40	11.12	334	834	4	120	88.3%
	Non CTE	17	12	0.20	1.70	51	255	1	30	56.7%
	Total	123	78	0.60	12.82	385	641	5	150	82.0%
Spring 2012	CTE	168	86	0.60	16.25	487	812	6	180	93.3%
	Non CTE	23	20	0.20	2.30	69	345	1	30	76.7%
	Total	191	106	0.80	18.55	556	696	7	210	91.0%
Spring 2013	CTE	46	42	0.56	7.00	210	375	3	90	51.1%
	Non CTE	28	20	0.20	2.80	84	420	2	40	70.0%
	Total	74	62	0.76	9.80	294	387	5	130	56.9%
Spring 2014	CTE	116	87	1.12	18.65	560	500	6	210	55.2%
	Non CTE	44	31	0.40	3.93	118	295	3	67	65.7%
	Total	160	118	1.52	22.58	678	446	9	277	57.8%

Transfer vs Non Transfer Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2009	Y	95	55	0.74	6.79	204	275	5	160	59.4%
	Total	95	55	0.74	6.79	204	275	5	160	59.4%
Fall 2010	Y	75	60	0.40	8.44	253	633	3	90	83.3%
	Total	75	60	0.40	8.44	253	633	3	90	83.3%
Fall 2011	Y	142	95	0.80	15.08	452	566	6	180	78.9%
	Total	142	95	0.80	15.08	452	566	6	180	78.9%
Fall 2012	Y	63	46	0.76	10.89	327	430	3	85	74.1%
	Total	63	46	0.76	10.89	327	430	3	85	74.1%
Fall 2013	Y	136	110	1.68	26.81	804	479	6	200	68.0%
	Total	136	110	1.68	26.81	804	479	6	200	68.0%
Spring 2010	Y	113	68	0.80	12.50	375	469	9	280	40.4%
	Total	113	68	0.80	12.50	375	469	9	280	40.4%
Spring 2011	Y	123	78	0.60	12.82	385	641	5	150	82.0%
	Total	123	78	0.60	12.82	385	641	5	150	82.0%
Spring 2012	Y	191	106	0.80	18.55	556	696	7	210	91.0%
	Total	191	106	0.80	18.55	556	696	7	210	91.0%
Spring 2013	Y	74	62	0.76	9.80	294	387	5	130	56.9%
	Total	74	62	0.76	9.80	294	387	5	130	56.9%
Spring 2014	Y	160	118	1.52	22.58	678	446	9	277	57.8%
	Total	160	118	1.52	22.58	678	446	9	277	57.8%

Productivity by Courses by Semesters

				Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
Fall 2009	CIS	118	Intro to Object-Oriented Prgm	41	24	0.40	3.91	117	293	2	65	63%
		119	Open Computer Lab	13	13	0.14	0.43	13	93	1	35	37%
			Open Computer Lab I	28	11	0.00	0.93	28	#INF	1	30	93%
			680C Internet Programming with Ruby	13	7	0.20	1.52	46	228	1	30	43%
		Total			95	55	0.74	6.79	204	275	5	160
Fall 2010	CIS	118	Intro to Object-Oriented Prgm	29	23	0.20	2.90	87	435	1	30	97%
		119	Open Computer Lab I	29	24	0.00	3.38	102	#INF	1	30	97%
		321	Programming for the iPhone	17	13	0.20	2.15	65	323	1	30	57%
		Total			75	60	0.40	8.44	253	633	3	90
Fall 2011	CIS	118	Intro to Object-Oriented Prgm	54	32	0.40	5.40	162	405	2	60	90%
		119	Open Computer Lab	18	8	0.00	1.98	59	#INF	1	20	90%
			Open Computer Lab I	36	28	0.00	3.96	119	#INF	1	40	90%
		321	Programming for the iPhone	25	21	0.20	2.75	83	413	1	30	83%
			680C JavaScript for Web 2.0	9	6	0.20	0.99	30	149	1	30	30%
Total			142	95	0.80	15.08	452	566	6	180	79%	
Fall 2012	CIS	118	Intro to Object-Oriented Prgm	46	34	0.56	8.90	267	477	2	55	84%
		321	iOS Programming	17	12	0.20	1.98	60	298	1	30	57%
		Total			63	46	0.76	10.89	327	430	3	85
Fall 2013	CIS	118	Intro. to Computer Science	82	73	1.08	21.11	633	587	3	110	75%
		250	Intro to Obj Ori Program.: C++	36	24	0.40	3.60	108	270	2	60	60%
		321	iOS Programming	18	13	0.20	2.10	63	315	1	30	60%
		Total			136	110	1.68	26.81	804	479	6	200
Spring 2010	CIS	118	Intro to Object-Oriented Prgm	23	10	0.20	2.30	69	345	1	30	77%
		119	Open Computer Lab I	23	10	0.00	2.68	81	#INF	1	30	77%
		250	Programming Methods I: C++	15	11	0.20	1.60	48	240	1	30	50%
		251	Open Computer Lab I: C++	15	12	0.00	1.75	53	#INF	1	30	50%
		252	Prog. Methods II: C++ - Honors	1	0	0.20	0.10	3	15	1	30	3%
		253	Open ComP. Lab II: C++	1	0	0.00	0.12	4	#INF	1	35	3%
		286	Prog. Methods II: Java - HONOR	8	5	0.00	0.80	24	#INF	1	30	27%
		287	Open ComP. Lab II: Java	8	5	0.00	0.93	28	#INF	1	35	23%

Productivity by Courses by Semesters

			Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate	
			19	15	0.20	2.22	67	333	1	30	63%	
Total			113	68	0.80	12.50	375	469	9	280	40%	
Spring 2011	CIS	118	Intro to Object-Oriented Prgm	26	14	0.20	2.77	83	416	1	30	87%
		119	Open Computer Lab I	26	14	0.00	2.86	86	#INF	1	30	87%
		250	Programming Methods I: C++	27	19	0.20	2.52	76	378	1	30	90%
		251	Open Computer Lab I: C++	27	19	0.00	2.97	89	#INF	1	30	90%
		321	Programming for the iPhone	17	12	0.20	1.70	51	255	1	30	57%
	Total			123	78	0.60	12.82	385	641	5	150	82%
Spring 2012	CIS	118	Intro to Object-Oriented Prgm	59	23	0.40	5.90	177	443	2	60	98%
		119	Open Computer Lab	25	11	0.00	2.25	68	#INF	1	30	83%
			Open Computer Lab I	34	12	0.00	3.51	105	#INF	1	30	113%
		250	Programming Methods I: C++	25	20	0.20	2.33	70	350	1	30	83%
		251	Open Computer Lab I: C++	25	20	0.00	2.25	68	#INF	1	30	83%
		321	iOS Programming	23	20	0.20	2.30	69	345	1	30	77%
Total			191	106	0.80	18.55	556	696	7	210	91%	
Spring 2013	CIS	118	Intro to Object-Oriented Prgm	20	18	0.36	4.27	128	356	1	30	67%
		250	Programming Methods I: C++	13	12	0.20	1.30	39	195	1	30	43%
		251	Open Computer Lab I: C++	13	12	0.00	1.43	43	#INF	1	30	43%
		321	iOS Programming	28	20	0.20	2.80	84	420	2	80	35%
Total			74	62	0.76	9.80	294	387	5	170	44%	
Spring 2014	CIS	118	Intro. to Computer Science	67	51	0.72	13.75	413	573	2	70	96%
		242	Comp. Arch. & Assembly Lang.	13	7	0.20	1.30	39	195	1	30	43%
		250	Intro to Obj Ori Program.: C++	49	36	0.40	4.90	147	368	2	80	61%
		252	Prog. Methods II: C++	0	0	0.00	0.00	0		1	30	0%
		284	Intro to Obj Orien Prog - Java	0	0	0.00	0.00	0		1	30	0%
		321	iOS Programming	24	17	0.20	2.40	72	360	1	30	80%
		695	Independent Study	7	7	0.00	0.23	7	#INF	1	7	100%
Total			160	118	1.52	22.58	678	446	9	277	58%	

