



# Productivity 2008/09 through 2013/14 Biology (BIOL)

## Productivity by Year

	Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
2009/10	1,906	1,501	18.29	<b>411.59</b>	12,348	675	64	2,115	90.1%
2010/11	2,085	1,635	18.29	<b>421.08</b>	12,632	691	66	2,219	94.0%
2011/12	2,215	1,758	20.36	<b>414.32</b>	12,429	610	76	2,505	88.4%
2012/13	1,966	1,561	20.65	<b>376.02</b>	11,281	546	69	2,290	85.9%
2013/14	1,775	1,394	16.92	<b>299.71</b>	8,991	531	64	2,152	82.5%

## Productivity by Semester

	Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2009	976	750	9.49	<b>210.25</b>	6,308	664	34	1,130	86.4%
Fall 2010	1,009	814	8.60	<b>212.96</b>	6,389	743	31	1,029	98.1%
Fall 2011	1,142	898	10.19	<b>215.39</b>	6,462	634	38	1,275	89.6%
Fall 2012	1,009	795	10.24	<b>199.44</b>	5,983	584	34	1,135	88.9%
Fall 2013	927	741	8.88	<b>161.59</b>	4,848	546	33	1,105	83.9%
Spring 2010	930	751	8.80	<b>201.34</b>	6,040	686	30	985	94.4%
Spring 2011	1,076	821	9.69	<b>208.12</b>	6,243	644	35	1,190	90.4%
Spring 2012	1,073	860	10.18	<b>198.92</b>	5,968	586	38	1,230	87.2%
Spring 2013	957	766	10.41	<b>176.57</b>	5,297	509	35	1,155	82.9%
Spring 2014	848	653	8.04	<b>138.12</b>	4,144	515	31	1,047	81.0%

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	814	612	6.77	<b>155.98</b>	4,679	691	27	935	87.1%
	Online	162	138	2.72	<b>54.28</b>	1,628	599	7	195	83.1%
	Total	976	750	9.49	<b>210.25</b>	6,308	664	34	1,130	86.4%
Fall 2010	FaceToFace	1,009	814	8.60	<b>212.96</b>	6,389	743	31	1,029	98.1%
	Total	1,009	814	8.60	<b>212.96</b>	6,389	743	31	1,029	98.1%
Fall 2011	FaceToFace	1,142	898	10.19	<b>215.39</b>	6,462	634	38	1,275	89.6%
	Total	1,142	898	10.19	<b>215.39</b>	6,462	634	38	1,275	89.6%
Fall 2012	FaceToFace	1,009	795	10.24	<b>199.44</b>	5,983	584	34	1,135	88.9%
	Total	1,009	795	10.24	<b>199.44</b>	5,983	584	34	1,135	88.9%
Fall 2013	FaceToFace	927	741	8.88	<b>161.59</b>	4,848	546	33	1,105	83.9%
	Total	927	741	8.88	<b>161.59</b>	4,848	546	33	1,105	83.9%
Spring 2010	FaceToFace	922	745	8.80	<b>199.34</b>	5,980	680	29	970	95.1%
	Online	8	6	0.00	<b>2.00</b>	60	#INF	1	15	53.3%
	Total	930	751	8.80	<b>201.34</b>	6,040	686	30	985	94.4%
Spring 2011	FaceToFace	1,076	821	9.69	<b>208.12</b>	6,243	644	35	1,190	90.4%
	Total	1,076	821	9.69	<b>208.12</b>	6,243	644	35	1,190	90.4%
Spring 2012	FaceToFace	1,073	860	10.18	<b>198.92</b>	5,968	586	38	1,230	87.2%
	Total	1,073	860	10.18	<b>198.92</b>	5,968	586	38	1,230	87.2%
Spring 2013	FaceToFace	915	734	10.21	<b>172.37</b>	5,171	506	34	1,110	82.4%
	Online	42	32	0.20	<b>4.20</b>	126	630	1	45	93.3%
	Total	957	766	10.41	<b>176.57</b>	5,297	509	35	1,155	82.9%
Spring 2014	FaceToFace	821	633	7.84	<b>135.42</b>	4,063	518	30	1,002	81.9%
	Online	27	20	0.20	<b>2.70</b>	81	405	1	45	60.0%
	Total	848	653	8.04	<b>138.12</b>	4,144	515	31	1,047	81.0%

### 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	976	750	9.49	<b>210.25</b>	6,308	664	34	1,130	86.4%
	Total	976	750	9.49	<b>210.25</b>	6,308	664	34	1,130	86.4%
Fall 2010	Non Basic Skills	1,009	814	8.60	<b>212.96</b>	6,389	743	31	1,029	98.1%
	Total	1,009	814	8.60	<b>212.96</b>	6,389	743	31	1,029	98.1%
Fall 2011	Non Basic Skills	1,142	898	10.19	<b>215.39</b>	6,462	634	38	1,275	89.6%
	Total	1,142	898	10.19	<b>215.39</b>	6,462	634	38	1,275	89.6%
Fall 2012	Non Basic Skills	1,009	795	10.24	<b>199.44</b>	5,983	584	34	1,135	88.9%
	Total	1,009	795	10.24	<b>199.44</b>	5,983	584	34	1,135	88.9%
Fall 2013	Non Basic Skills	927	741	8.88	<b>161.59</b>	4,848	546	33	1,105	83.9%
	Total	927	741	8.88	<b>161.59</b>	4,848	546	33	1,105	83.9%
Spring 2010	Non Basic Skills	930	751	8.80	<b>201.34</b>	6,040	686	30	985	94.4%
	Total	930	751	8.80	<b>201.34</b>	6,040	686	30	985	94.4%
Spring 2011	Non Basic Skills	1,076	821	9.69	<b>208.12</b>	6,243	644	35	1,190	90.4%
	Total	1,076	821	9.69	<b>208.12</b>	6,243	644	35	1,190	90.4%
Spring 2012	Non Basic Skills	1,073	860	10.18	<b>198.92</b>	5,968	586	38	1,230	87.2%
	Total	1,073	860	10.18	<b>198.92</b>	5,968	586	38	1,230	87.2%
Spring 2013	Non Basic Skills	957	766	10.41	<b>176.57</b>	5,297	509	35	1,155	82.9%
	Total	957	766	10.41	<b>176.57</b>	5,297	509	35	1,155	82.9%
Spring 2014	Non Basic Skills	848	653	8.04	<b>138.12</b>	4,144	515	31	1,047	81.0%
	Total	848	653	8.04	<b>138.12</b>	4,144	515	31	1,047	81.0%

### CTE vs NonCTE Courses

		<b>Census Headcount</b>	<b>End of Term Headcount</b>	<b>FTEF</b>	<b>FTES</b>	<b>WSCH</b>	<b>Load</b>	<b>Sections</b>	<b>Max Enroll</b>	<b>Fill Rates</b>
Fall 2009	Non CTE	976	750	9.49	<b>210.25</b>	6,308	664	34	1,130	86.4%
	Total	976	750	9.49	<b>210.25</b>	6,308	664	34	1,130	86.4%
Fall 2010	Non CTE	1,009	814	8.60	<b>212.96</b>	6,389	743	31	1,029	98.1%
	Total	1,009	814	8.60	<b>212.96</b>	6,389	743	31	1,029	98.1%
Fall 2011	Non CTE	1,142	898	10.19	<b>215.39</b>	6,462	634	38	1,275	89.6%
	Total	1,142	898	10.19	<b>215.39</b>	6,462	634	38	1,275	89.6%
Fall 2012	Non CTE	1,009	795	10.24	<b>199.44</b>	5,983	584	34	1,135	88.9%
	Total	1,009	795	10.24	<b>199.44</b>	5,983	584	34	1,135	88.9%
Fall 2013	Non CTE	927	741	8.88	<b>161.59</b>	4,848	546	33	1,105	83.9%
	Total	927	741	8.88	<b>161.59</b>	4,848	546	33	1,105	83.9%
Spring 2010	Non CTE	930	751	8.80	<b>201.34</b>	6,040	686	30	985	94.4%
	Total	930	751	8.80	<b>201.34</b>	6,040	686	30	985	94.4%
Spring 2011	Non CTE	1,076	821	9.69	<b>208.12</b>	6,243	644	35	1,190	90.4%
	Total	1,076	821	9.69	<b>208.12</b>	6,243	644	35	1,190	90.4%
Spring 2012	Non CTE	1,073	860	10.18	<b>198.92</b>	5,968	586	38	1,230	87.2%
	Total	1,073	860	10.18	<b>198.92</b>	5,968	586	38	1,230	87.2%
Spring 2013	Non CTE	957	766	10.41	<b>176.57</b>	5,297	509	35	1,155	82.9%
	Total	957	766	10.41	<b>176.57</b>	5,297	509	35	1,155	82.9%
Spring 2014	Non CTE	848	653	8.04	<b>138.12</b>	4,144	515	31	1,047	81.0%
	Total	848	653	8.04	<b>138.12</b>	4,144	515	31	1,047	81.0%

### Transfer vs Non Transfer Courses

		<b>Census Headcount</b>	<b>End of Term Headcount</b>	<b>FTEF</b>	<b>FTES</b>	<b>WSCH</b>	<b>Load</b>	<b>Sections</b>	<b>Max Enroll</b>	<b>Fill Rates</b>
Fall 2009	Y	976	750	9.49	<b>210.25</b>	6,308	664	34	1,130	86.4%
	Total	976	750	9.49	<b>210.25</b>	6,308	664	34	1,130	86.4%
Fall 2010	Y	1,009	814	8.60	<b>212.96</b>	6,389	743	31	1,029	98.1%
	Total	1,009	814	8.60	<b>212.96</b>	6,389	743	31	1,029	98.1%
Fall 2011	Y	1,142	898	10.19	<b>215.39</b>	6,462	634	38	1,275	89.6%
	Total	1,142	898	10.19	<b>215.39</b>	6,462	634	38	1,275	89.6%
Fall 2012	Y	1,009	795	10.24	<b>199.44</b>	5,983	584	34	1,135	88.9%
	Total	1,009	795	10.24	<b>199.44</b>	5,983	584	34	1,135	88.9%
Fall 2013	Y	927	741	8.88	<b>161.59</b>	4,848	546	33	1,105	83.9%
	Total	927	741	8.88	<b>161.59</b>	4,848	546	33	1,105	83.9%
Spring 2010	Y	930	751	8.80	<b>201.34</b>	6,040	686	30	985	94.4%
	Total	930	751	8.80	<b>201.34</b>	6,040	686	30	985	94.4%
Spring 2011	Y	1,076	821	9.69	<b>208.12</b>	6,243	644	35	1,190	90.4%
	Total	1,076	821	9.69	<b>208.12</b>	6,243	644	35	1,190	90.4%
Spring 2012	Y	1,073	860	10.18	<b>198.92</b>	5,968	586	38	1,230	87.2%
	Total	1,073	860	10.18	<b>198.92</b>	5,968	586	38	1,230	87.2%
Spring 2013	Y	957	766	10.41	<b>176.57</b>	5,297	509	35	1,155	82.9%
	Total	957	766	10.41	<b>176.57</b>	5,297	509	35	1,155	82.9%
Spring 2014	Y	848	653	8.04	<b>138.12</b>	4,144	515	31	1,047	81.0%
	Total	848	653	8.04	<b>138.12</b>	4,144	515	31	1,047	81.0%

## Productivity by Courses by Semesters

			Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate	
<b>Fall 2009</b>	BIOL	100	Intro. to the Life Sciences	52	37	0.20	5.20	156	780	1	50	104%
		103	Native Plants and Wildflowers	12	11	0.29	1.96	59	200	1	30	40%
		110	Principles Of Biology	80	64	0.88	17.29	519	590	4	120	67%
		130	Human Biology	147	104	0.60	19.58	587	979	3	150	98%
		132	Human Biology Laboratory	12	8	0.16	1.20	36	225	1	30	40%
		230	Introduction to Cell Biology	45	30	0.52	11.05	332	638	2	60	75%
		240	General Microbiology	130	106	1.40	34.73	1,042	744	5	150	87%
		250	Human Anatomy	184	133	1.92	44.02	1,321	688	7	210	88%
		260	Human Physiology	151	131	2.72	53.34	1,600	588	6	180	84%
		310	Nutrition	163	126	0.80	21.89	657	821	4	180	91%
	Total		976	750	9.49	210.25	6,308	664	34	1,160	84%	
<b>Fall 2010</b>	BIOL	100	Intro. to the Life Sciences	45	37	0.20	4.50	135	675	1	40	113%
		110	Principles Of Biology	80	63	0.88	18.66	560	636	4	120	67%
		130	Human Biology	200	168	0.80	20.44	613	767	4	194	103%
		132	Human Biology Laboratory	27	22	0.16	2.70	81	506	1	30	90%
		230	Cell & Molecular Biology	46	38	0.84	14.41	432	515	2	60	77%
		240	General Microbiology	121	101	1.04	37.29	1,119	1,076	4	120	101%
		250	Human Anatomy	185	127	1.56	38.12	1,144	733	6	180	103%
		260	Human Physiology	176	154	2.52	58.36	1,751	695	6	180	98%
		310	Nutrition	129	104	0.60	18.48	554	924	3	135	96%
	Total		1,009	814	8.60	212.96	6,389	743	31	1,059	95%	
<b>Fall 2011</b>	BIOL	100	Intro. to the Life Sciences	40	25	0.20	4.00	120	600	1	40	100%
		110	Principles Of Biology	56	45	0.72	11.72	352	488	3	90	62%
		130	Human Biology	202	147	0.80	20.62	619	773	4	200	101%
			Human Biology - Honors	22	18	0.20	2.20	66	330	1	30	73%
		132	Human Biology Laboratory	39	33	0.32	4.08	122	382	2	60	65%
		225	Biology Of Organisms	20	18	0.52	6.00	180	346	1	30	67%
		230	Cell & Molecular Biology	33	31	0.52	10.12	304	584	1	30	110%
		240	General Microbiology	140	115	1.40	33.73	1,012	723	5	150	93%
		250	Human Anatomy	207	152	1.92	43.16	1,295	674	7	210	99%

## Productivity by Courses by Semesters

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate		
	260	Human Physiology	177	157	2.52	59.06	1,772	703	6	180	98%	
	310	Nutrition	194	145	1.00	20.37	611	611	5	225	86%	
	380	Travel Study BIOL-Prep. Trip	7	7	0.07	0.21	6	93	1	30	23%	
		Travel Study-Prep. Trip-Honors	5	5	0.00	0.12	4	#INF	1	30	17%	
	Total		1,142	898	10.19	215.39	6,462	634	38	1,305	88%	
<b>Fall 2012</b>	BIOL	100	Intro. to the Life Sciences	40	30	0.20	4.00	120	600	1	45	89%
		110	Principles Of Biology	87	72	0.88	17.87	536	609	4	120	73%
		130	Human Biology	180	143	0.80	18.63	559	699	4	200	90%
		132	Human Biology Laboratory	34	29	0.16	3.74	112	701	1	30	113%
		225	Biology Of Organisms	25	24	0.52	7.50	225	433	1	30	83%
		230	Cell & Molecular Biology	36	29	0.84	11.04	331	394	2	60	60%
		240	General Microbiology	116	97	1.24	28.38	851	687	4	120	97%
		250	Human Anatomy	181	118	1.76	37.55	1,127	640	6	180	101%
		260	Human Physiology	181	155	3.04	57.83	1,735	571	7	210	86%
		310	Nutrition	129	98	0.80	12.90	387	484	4	170	76%
	Total		1,009	795	10.24	199.44	5,983	584	34	1,165	87%	
<b>Fall 2013</b>	BIOL	100	Intro. to the Life Sciences	47	37	0.20	4.70	141	705	1	45	104%
		110	Principles Of Biology	79	68	0.88	15.80	474	539	3	90	88%
		130	Human Biology	201	167	0.80	20.10	603	754	4	200	101%
		132	Human Biology Laboratory	61	58	0.48	6.53	196	408	3	90	68%
		225	Biology Of Organisms	26	23	0.52	7.80	234	450	1	30	87%
		230	Cell & Molecular Biology	25	22	0.52	7.67	230	442	1	30	83%
		240	General Microbiology	93	83	1.24	19.69	591	476	4	120	78%
		250	Human Anatomy	188	116	1.76	39.05	1,172	666	6	180	104%
		260	Human Physiology	89	78	1.88	28.09	843	448	6	180	49%
		310	Nutrition	116	87	0.60	11.60	348	580	3	135	86%
		695	Independent Study	2	2	0.00	0.56	17	#INF	1	5	40%
	Total		927	741	8.88	161.59	4,848	546	33	1,105	84%	
<b>Spring 2010</b>	BIOL	100	Intro To Life Sciences	39	32	0.20	3.90	117	585	1	40	98%
		110	Principles Of Biology	51	39	0.72	12.62	379	526	3	90	57%
		130	Human Biology	150	120	0.60	15.48	464	774	3	150	100%

## Productivity by Courses by Semesters

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate		
	132	Human Biology Laboratory	22	14	0.16	2.20	66	413	1	30	73%	
	225	Biology Of Organisms	34	31	0.52	10.20	306	588	1	30	113%	
	240	General Microbiology	133	109	1.40	39.28	1,178	842	5	150	89%	
	250	Human Anatomy	179	135	1.56	36.83	1,105	708	6	180	99%	
	260	Human Physiology	188	166	3.04	61.64	1,849	608	7	210	90%	
	310	Nutrition	134	105	0.60	19.19	576	960	3	135	99%	
	Total		930	751	8.80	201.34	6,040	686	30	1,015	92%	
<b>Spring 2011</b>	BIOL	100	Intro To Life Sciences	48	36	0.20	4.80	144	720	1	40	120%
		103	Native Plants and Wildflowers	21	17	0.29	3.71	111	379	1	30	70%
		110	Principles Of Biology	58	38	0.72	13.40	402	558	3	90	64%
		130	Human Biology	212	155	1.00	20.45	613	613	5	235	90%
		132	Human Biology Laboratory	29	24	0.16	3.19	96	598	1	30	97%
		225	Biology Of Organisms	33	30	0.84	9.90	297	354	2	60	55%
		240	General Microbiology	136	110	1.40	39.71	1,191	851	5	150	91%
		250	Human Anatomy	193	139	1.56	38.60	1,158	742	6	180	107%
		260	Human Physiology	180	153	2.52	57.43	1,723	684	6	180	100%
	310	Nutrition	166	119	1.00	16.93	508	508	5	225	74%	
	Total		1,076	821	9.69	208.12	6,243	644	35	1,220	88%	
<b>Spring 2012</b>	BIOL	100	Intro To Life Sciences	39	30	0.20	3.90	117	585	1	40	98%
		103	Native Plants and Wildflowers	17	14	0.29	3.00	90	307	1	30	57%
		110	Principles Of Biology	77	52	0.88	17.20	516	586	4	120	64%
		130	Human Biology	199	164	0.80	19.90	597	746	4	200	100%
			Human Biology - Honors	14	10	0.20	1.40	42	210	1	30	47%
		132	Human Biology Laboratory	46	37	0.32	4.60	138	431	2	60	77%
		225	Biology Of Organisms	28	27	0.52	8.40	252	485	1	30	93%
		230	Cell and Molecular Biology	28	22	0.52	8.40	252	485	1	30	93%
		240	General Microbiology	117	99	1.40	27.17	815	582	5	150	78%
		250	Human Anatomy	144	102	1.40	28.80	864	617	5	150	96%
			Human Anatomy - Honors	26	18	0.16	5.20	156	975	1	30	87%
		260	Human Physiology	171	153	2.52	53.88	1,616	641	6	180	95%
	310	Nutrition	157	122	0.80	15.70	471	589	4	180	87%	



## Productivity by Courses by Semesters

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate		
	381	Travel Study in Biology	10	10	0.16	1.37	41	252	2	60	17%	
	Total		1,073	860	10.18	198.92	5,968	586	38	1,290	83%	
<b>Spring 2013</b>	BIOL	100	Intro To Life Sciences	45	39	0.20	4.50	135	675	1	40	113%
		103	Native Plants and Wildflowers	14	14	0.29	2.47	74	253	1	30	47%
		110	Principles Of Biology	57	44	0.72	11.40	342	475	3	90	63%
		130	Human Biology	185	150	0.80	18.50	555	694	4	200	93%
			Human Biology - Honors	9	8	0.20	0.90	27	135	1	30	30%
		132	Human Biology Laboratory	32	29	0.16	3.52	106	660	1	30	107%
		225	Biology Of Organisms	26	25	0.52	7.80	234	450	1	30	87%
		230	Cell and Molecular Biology	23	20	0.52	6.90	207	398	1	30	77%
		240	General Microbiology	110	95	1.24	25.87	776	626	4	120	92%
		250	Human Anatomy	163	113	1.76	32.60	978	556	6	180	91%
			Human Anatomy - Honors	15	11	0.16	3.00	90	563	1	30	50%
		260	Human Physiology	133	118	2.52	41.79	1,254	498	6	180	74%
			Intro to Physiology									
			13	11	0.52	4.12	124	238	1	30	43%	
	310	Nutrition	132	89	0.80	13.20	396	495	4	165	80%	
	Total		957	766	10.41	176.57	5,297	509	35	1,185	81%	
<b>Spring 2014</b>	BIOL	100	Intro To Life Sciences	46	33	0.20	4.60	138	690	1	40	115%
		103	Native Plants and Wildflowers	0	0	0.00	0.00	0		1	30	0%
		110	Principles Of Biology									
				62	47	0.72	12.40	372	517	2	60	103%
		130	Human Biology	188	156	1.00	18.80	564	564	5	238	79%
		132	Human Biology Laboratory	78	66	0.48	7.80	234	488	3	90	87%
		225	Biology Of Organisms	19	18	0.52	5.70	171	329	1	30	63%
		230	Cell and Molecular Biology	24	22	0.52	7.20	216	415	1	30	80%
		240	General Microbiology	75	61	1.08	15.29	459	425	3	90	83%
		250	Human Anatomy	172	107	1.56	34.86	1,046	670	6	180	96%
		260	Human Physiology	63	54	1.36	19.53	586	431	4	120	53%
	310	Nutrition	119	87	0.60	11.90	357	595	3	135	88%	
	695	Independent Study	2	2	0.00	0.03	1	#INF	1	4	50%	

### Productivity by Courses by Semesters

	<b>Census Headcount</b>	<b>End of Term Headcount</b>	<b>FTEF</b>	<b>FTES</b>	<b>WSCH</b>	<b>Load</b>	<b>Sections</b>	<b>Max Enroll</b>	<b>Fill Rate</b>
Total	848	653	8.04	138.12	4,144	515	31	1,047	81%