



# Productivity 2010/11 through 2014/15 Astronomy (ASTR)

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<b>Productivity by Year</b>									
	<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>
2010/11	434	389	1.80	44.53	1,336	742	10	400	108.5%
2011/12	471	412	2.16	47.84	1,435	664	12	480	98.1%
2012/13	402	352	2.20	41.50	1,245	566	12	500	80.4%
2013/14	373	298	2.20	38.23	1,147	521	12	520	71.7%
2014/15	452	359	2.72	44.84	1,345	495	16	588	76.9%

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.

### Productivity by Semester

	<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 2010	165	149	0.72	17.74	532	739	4	160	103.1%
Fall 2011	173	147	0.88	18.49	555	630	5	190	91.1%
Fall 2012	174	153	0.92	18.20	546	593	5	210	82.9%
Fall 2013	103	88	0.56	10.64	319	570	3	130	79.2%
Fall 2014	167	131	1.08	15.43	463	429	6	240	69.6%
Spring 2011	198	187	0.72	20.09	603	837	4	160	123.8%
Spring 2012	219	191	0.92	21.90	657	714	5	210	104.3%
Spring 2013	185	157	0.92	18.78	563	612	5	210	88.1%
Spring 2014	157	113	1.08	16.26	488	452	6	245	64.1%
Spring 2015	145	115	0.92	15.09	453	492	6	183	79.5%
Summer 2010	71	53	0.36	6.69	201	558	2	80	88.8%
Summer 2011	79	74	0.36	7.45	224	621	2	80	98.8%
Summer 2012	43	42	0.36	4.52	136	377	2	80	53.8%
Summer 2013	113	97	0.56	11.34	340	607	3	145	77.9%
Summer 2014	140	113	0.72	14.32	429	596	4	165	84.8%

**DE vs Non DE 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 2010	FaceToFace	165	149	0.72	17.74	532	739	4	160	103.1%
	Total	165	149	0.72	17.74	532	739	4	160	103.1%
Fall 2011	FaceToFace	173	147	0.88	18.49	555	630	5	190	91.1%
	Total	173	147	0.88	18.49	555	630	5	190	91.1%
Fall 2012	FaceToFace	114	106	0.56	12.10	363	648	3	130	87.7%
	Online	60	47	0.36	6.10	183	508	2	80	75.0%
	Total	174	153	0.92	18.20	546	593	5	210	82.9%
Fall 2013	FaceToFace	69	59	0.40	6.90	207	518	2	100	69.0%
	Online	34	29	0.16	3.74	112	701	1	30	113.3%
	Total	103	88	0.56	10.64	319	570	3	130	79.2%
Fall 2014	FaceToFace	95	78	0.72	10.03	301	418	4	160	59.4%
	Online	72	53	0.36	5.40	162	450	2	80	90.0%
	Total	167	131	1.08	15.43	463	429	6	240	69.6%
Spring 2011	FaceToFace	198	187	0.72	20.09	603	837	4	160	123.8%
	Total	198	187	0.72	20.09	603	837	4	160	123.8%
Spring 2012	FaceToFace	219	191	0.92	21.90	657	714	5	210	104.3%
	Total	219	191	0.92	21.90	657	714	5	210	104.3%
Spring 2013	FaceToFace	131	113	0.56	13.10	393	702	3	130	100.8%
	Online								80	
		54	44	0.36	5.68	170	473	2		67.5%
	Total	185	157	0.92	18.78	563	612	5	210	88.1%
Spring 2014	FaceToFace	85	55	0.72	8.95	269	373	4	160	53.1%
	Online								85	
		72	58	0.36	7.30	219	609	2		84.7%
	Total	157	113	1.08	16.26	488	452	6	245	64.1%
Spring 2015	FaceToFace	78	64	0.56	8.29	249	444	4	98	80.0%

**DE vs Non DE 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>
Summer 2010	Online							85	
		67	51	0.36	6.80	204	567	2	78.8%
Summer 2010	Total	145	115	0.92	15.09	453	492	6	79.5%
	FaceToFace	71	53	0.36	6.69	201	558	2	88.8%
Summer 2011	Total	71	53	0.36	6.69	201	558	2	88.8%
	FaceToFace	79	74	0.36	7.45	224	621	2	98.8%
Summer 2011	Total	79	74	0.36	7.45	224	621	2	98.8%
	FaceToFace	43	42	0.36	4.52	136	377	2	53.8%
Summer 2012	Total	43	42	0.36	4.52	136	377	2	53.8%
	FaceToFace	66	60	0.36	6.64	199	553	2	82.5%
Summer 2013	Online							65	
		47	37	0.20	4.70	141	705	1	72.3%
Summer 2014	Total	113	97	0.56	11.34	340	607	3	77.9%
	FaceToFace	57	49	0.36	5.73	172	478	2	71.3%
Summer 2014	Online							85	
		83	64	0.36	8.58	257	715	2	97.6%
	Total	140	113	0.72	14.32	429	596	4	84.8%

### Basic Skills vs Non Basic Skills 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 2010	Non Basic Skills	165	149	0.72	17.74	532	739	4	160	103.1%
	Total	165	149	0.72	17.74	532	739	4	160	103.1%
Fall 2011	Non Basic Skills	173	147	0.88	18.49	555	630	5	190	91.1%
	Total	173	147	0.88	18.49	555	630	5	190	91.1%
Fall 2012	Non Basic Skills	174	153	0.92	18.20	546	593	5	210	82.9%
	Total	174	153	0.92	18.20	546	593	5	210	82.9%
Fall 2013	Non Basic Skills	103	88	0.56	10.64	319	570	3	130	79.2%
	Total	103	88	0.56	10.64	319	570	3	130	79.2%
Fall 2014	Non Basic Skills	167	131	1.08	15.43	463	429	6	240	69.6%
	Total	167	131	1.08	15.43	463	429	6	240	69.6%
Spring 2011	Non Basic Skills	198	187	0.72	20.09	603	837	4	160	123.8%
	Total	198	187	0.72	20.09	603	837	4	160	123.8%
Spring 2012	Non Basic Skills	219	191	0.92	21.90	657	714	5	210	104.3%
	Total	219	191	0.92	21.90	657	714	5	210	104.3%
Spring 2013	Non Basic Skills	185	157	0.92	18.78	563	612	5	210	88.1%
	Total	185	157	0.92	18.78	563	612	5	210	88.1%
Spring 2014	Non Basic Skills	157	113	1.08	16.26	488	452	6	245	64.1%
	Total	157	113	1.08	16.26	488	452	6	245	64.1%
Spring 2015	Non Basic Skills	145	115	0.92	15.09	453	492	6	183	79.5%
	Total	145	115	0.92	15.09	453	492	6	183	79.5%
Summer 2010	Non Basic Skills	71	53	0.36	6.69	201	558	2	80	88.8%
	Total	71	53	0.36	6.69	201	558	2	80	88.8%
Summer 2011	Non Basic Skills	79	74	0.36	7.45	224	621	2	80	98.8%
	Total	79	74	0.36	7.45	224	621	2	80	98.8%
Summer 2012	Non Basic Skills	43	42	0.36	4.52	136	377	2	80	53.8%

**Basic Skills vs Non Basic Skills 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>
Summer 2013	Total	43	42	0.36	4.52	136	377	2	80	53.8%
	Non Basic Skills	113	97	0.56	11.34	340	607	3	145	77.9%
Summer 2014	Total	113	97	0.56	11.34	340	607	3	145	77.9%
	Non Basic Skills	140	113	0.72	14.32	429	596	4	165	84.8%
	Total	140	113	0.72	14.32	429	596	4	165	84.8%

### CTE vs NonCTE Courses

		Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rates
Fall 2010	Non CTE	165	149	0.72	17.74	532	739	4	160	103.1%
	Total	165	149	0.72	17.74	532	739	4	160	103.1%
Fall 2011	Non CTE	173	147	0.88	18.49	555	630	5	190	91.1%
	Total	173	147	0.88	18.49	555	630	5	190	91.1%
Fall 2012	Non CTE	174	153	0.92	18.20	546	593	5	210	82.9%
	Total	174	153	0.92	18.20	546	593	5	210	82.9%
Fall 2013	Non CTE	103	88	0.56	10.64	319	570	3	130	79.2%
	Total	103	88	0.56	10.64	319	570	3	130	79.2%
Fall 2014	Non CTE	167	131	1.08	15.43	463	429	6	240	69.6%
	Total	167	131	1.08	15.43	463	429	6	240	69.6%
Spring 2011	Non CTE	198	187	0.72	20.09	603	837	4	160	123.8%
	Total	198	187	0.72	20.09	603	837	4	160	123.8%
Spring 2012	Non CTE	219	191	0.92	21.90	657	714	5	210	104.3%
	Total	219	191	0.92	21.90	657	714	5	210	104.3%
Spring 2013	Non CTE	185	157	0.92	18.78	563	612	5	210	88.1%
	Total	185	157	0.92	18.78	563	612	5	210	88.1%
Spring 2014	Non CTE	157	113	1.08	16.26	488	452	6	245	64.1%
	Total	157	113	1.08	16.26	488	452	6	245	64.1%
Spring 2015	Non CTE	145	115	0.92	15.09	453	492	6	183	79.5%
	Total	145	115	0.92	15.09	453	492	6	183	79.5%
Summer 2010	Non CTE	71	53	0.36	6.69	201	558	2	80	88.8%
	Total	71	53	0.36	6.69	201	558	2	80	88.8%
Summer 2011	Non CTE	79	74	0.36	7.45	224	621	2	80	98.8%
	Total	79	74	0.36	7.45	224	621	2	80	98.8%
Summer 2012	Non CTE	43	42	0.36	4.52	136	377	2	80	53.8%
	Total	43	42	0.36	4.52	136	377	2	80	53.8%
Summer 2013	Non CTE	113	97	0.56	11.34	340	607	3	145	77.9%

**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>
Summer 2014	Total	113	97	0.56	11.34	340	607	3	145	77.9%
	Non CTE	140	113	0.72	14.32	429	596	4	165	84.8%
	Total	140	113	0.72	14.32	429	596	4	165	84.8%



### 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 2010	Y	165	149	0.72	17.74	532	739	4	160	103.1%
	Total	165	149	0.72	17.74	532	739	4	160	103.1%
Fall 2011	Y	173	147	0.88	18.49	555	630	5	190	91.1%
	Total	173	147	0.88	18.49	555	630	5	190	91.1%
Fall 2012	Y	174	153	0.92	18.20	546	593	5	210	82.9%
	Total	174	153	0.92	18.20	546	593	5	210	82.9%
Fall 2013	Y	103	88	0.56	10.64	319	570	3	130	79.2%
	Total	103	88	0.56	10.64	319	570	3	130	79.2%
Fall 2014	Y	167	131	1.08	15.43	463	429	6	240	69.6%
	Total	167	131	1.08	15.43	463	429	6	240	69.6%
Spring 2011	Y	198	187	0.72	20.09	603	837	4	160	123.8%
	Total	198	187	0.72	20.09	603	837	4	160	123.8%
Spring 2012	Y	219	191	0.92	21.90	657	714	5	210	104.3%
	Total	219	191	0.92	21.90	657	714	5	210	104.3%
Spring 2013	Y	185	157	0.92	18.78	563	612	5	210	88.1%
	Total	185	157	0.92	18.78	563	612	5	210	88.1%
Spring 2014	Y	157	113	1.08	16.26	488	452	6	245	64.1%
	Total	157	113	1.08	16.26	488	452	6	245	64.1%
Spring 2015	Y	145	115	0.92	15.09	453	492	6	183	79.5%
	Total	145	115	0.92	15.09	453	492	6	183	79.5%
Summer 2010	Y	71	53	0.36	6.69	201	558	2	80	88.8%
	Total	71	53	0.36	6.69	201	558	2	80	88.8%

**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>
Summer 2011	Y	79	74	0.36	7.45	224	621	2	80	98.8%
	Total	79	74	0.36	7.45	224	621	2	80	98.8%
Summer 2012	Y	43	42	0.36	4.52	136	377	2	80	53.8%
	Total	43	42	0.36	4.52	136	377	2	80	53.8%
Summer 2013	Y	113	97	0.56	11.34	340	607	3	145	77.9%
	Total	113	97	0.56	11.34	340	607	3	145	77.9%
Summer 2014	Y	140	113	0.72	14.32	429	596	4	165	84.8%
	Total	140	113	0.72	14.32	429	596	4	165	84.8%

### Day vs Evening 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 2010	D	68	62	0.20	6.80	204	1,020	1	50	136.0%
	E	97	87	0.52	10.94	328	631	3	110	88.2%
Fall 2011	D	86	71	0.36	8.60	258	717	2	80	107.5%
	E	87	76	0.52	9.89	297	571	3	110	79.1%
Fall 2012	D	121	102	0.56	12.20	366	653	3	130	93.1%
	E	53	51	0.36	6.00	180	500	2	80	66.3%
Fall 2013	D	31	25	0.20	3.10	93	465	1	50	62.0%
	E	72	63	0.36	7.54	226	628	2	80	90.0%
Fall 2014	D	57	51	0.36	5.70	171	475	2	80	71.3%
	E	110	80	0.72	9.73	292	406	4	160	68.8%
Spring 2011	D	62	55	0.20	6.20	186	930	1	50	124.0%
	E	136	132	0.52	13.89	417	801	3	110	123.6%
Spring 2012	D	148	125	0.56	14.80	444	793	3	130	113.8%
	E	71	66	0.36	7.10	213	592	2	80	88.8%
Spring 2013	D	104	81	0.56	10.68	320	572	3	130	80.0%
	E	81	76	0.36	8.10	243	675	2	80	101.3%
Spring 2014	D	51	33	0.36	5.10	153	425	2	80	63.8%
	E	106	80	0.72	11.16	335	465	4	165	64.2%
Spring 2015	D	44	35	0.20	4.40	132	660	2	45	97.8%
	E	101	80	0.72	10.69	321	445	4	138	73.5%
Summer 2010	E	71	53	0.36	6.69	201	558	2	80	88.8%
Summer 2011	E	79	74	0.36	7.45	224	621	2	80	98.8%
Summer 2012	E	43	42	0.36	4.52	136	377	2	80	53.8%
Summer 2013	E	113	97	0.56	11.34	340	607	3	145	77.9%
Summer 2014	E	140	113	0.72	14.32	429	596	4	165	84.8%

## Productivity by Courses by Semester

				Census Headcount	End of Term Headcount	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
<b>Fall 2010</b>	ASTR	100	Introduction To Astronomy	109	94	0.40	11.58	348	869	2	100	109%
		101	Astronomy Laboratory	56	55	0.32	6.16	185	578	2	60	93%
	Total			165	149	0.72	17.74	532	739	4	160	103%
<b>Fall 2011</b>	ASTR	100	Introduction To Astronomy	110	89	0.40	11.80	354	885	2	100	110%
		101	Astronomy Laboratory	63	58	0.48	6.69	201	418	3	90	70%
	Total			173	147	0.88	18.49	555	630	5	190	91%
<b>Fall 2012</b>	ASTR	100	Introduction To Astronomy	118	104	0.60	12.23	367	612	3	150	79%
		101	Astronomy Laboratory	56	49	0.32	5.97	179	559	2	60	93%
	Total			174	153	0.92	18.20	546	593	5	210	83%
<b>Fall 2013</b>	ASTR	100	Introduction To Astronomy	69	59	0.40	6.90	207	518	2	100	69%
		101	Astronomy Laboratory	34	29	0.16	3.74	112	701	1	30	113%
	Total			103	88	0.56	10.64	319	570	3	130	79%
<b>Fall 2014</b>	ASTR	100	Introduction To Astronomy	105	79	0.60	8.78	264	439	3	150	70%
		101	Astronomy Laboratory	62	52	0.48	6.65	200	416	3	90	69%
	Total			167	131	1.08	15.43	463	429	6	240	70%
<b>Spring 2011</b>	ASTR	100	Introduction To Astronomy	122	114	0.40	12.20	366	915	2	100	122%
		101	Astronomy Laboratory	76	73	0.32	7.89	237	740	2	60	127%
	Total			198	187	0.72	20.09	603	837	4	160	124%
<b>Spring 2012</b>	ASTR	100	Introduction To Astronomy	155	132	0.60	15.50	465	775	3	150	103%
		101	Astronomy Laboratory	64	59	0.32	6.40	192	600	2	60	107%
	Total			219	191	0.92	21.90	657	714	5	210	104%
<b>Spring 2013</b>	ASTR	100	Introduction To Astronomy	117	92	0.60	11.70	351	585	3	150	78%
		101	Astronomy Laboratory	68	65	0.32	7.08	212	664	2	60	113%
	Total			185	157	0.92	18.78	563	612	5	210	88%

## Productivity by Courses by Semester

				Census	End of Term	FTEF	FTES	WSCH	Load	Sections	Max Enroll	Fill Rate
				Headcount	Headcount							
<b>Spring 2014</b>	ASTR	100	Introduction To Astronomy	95	66	0.60	9.78	294	489	3	150	63%
		101	Astronomy Laboratory	62	47	0.48	6.47	194	405	3	95	65%
	Total			157	113	1.08	16.26	488	452	6	245	64%
<b>Spring 2015</b>	ASTR	100	Intro To Astronomy-Honors	1	1	0.00	0.10	3	#INF	1	45	2%
			Introduction To Astronomy	102	82	0.60	10.57	317	528	3	135	76%
		101	Astronomy Laboratory	42	32	0.32	4.42	133	414	2	70	60%
	Total			145	115	0.92	15.09	453	492	6	250	58%
<b>Summer 2010</b>	ASTR	100	Introduction To Astronomy	47	31	0.20	4.33	130	650	1	50	94%
		101	Astronomy Laboratory	24	22	0.16	2.36	71	442	1	30	80%
	Total			71	53	0.36	6.69	201	558	2	80	89%
<b>Summer 2011</b>	ASTR	100	Introduction To Astronomy	51	47	0.20	4.70	141	705	1	50	102%
		101	Astronomy Laboratory	28	27	0.16	2.75	83	516	1	30	93%
	Total			79	74	0.36	7.45	224	621	2	80	99%
<b>Summer 2012</b>	ASTR	100	Introduction To Astronomy	27	26	0.20	2.84	85	426	1	50	54%
		101	Astronomy Laboratory	16	16	0.16	1.68	50	315	1	30	53%
	Total			43	42	0.36	4.52	136	377	2	80	54%
<b>Summer 2013</b>	ASTR	100	Introduction To Astronomy	86	70	0.40	8.62	259	647	2	115	75%
		101	Astronomy Laboratory	27	27	0.16	2.72	81	509	1	30	90%
	Total			113	97	0.56	11.34	340	607	3	145	78%
<b>Summer 2014</b>	ASTR	100	Introduction To Astronomy	86	69	0.40	8.62	259	647	2	100	86%
		101	Astronomy Laboratory	54	44	0.32	5.69	171	534	2	65	83%
	Total			140	113	0.72	14.32	429	596	4	165	85%

**Productivity by Cross listed Courses by Semester**

					<b>Census Headcount</b>	<b>End of Term Headcount</b>	<b>FTEF</b>	<b>WSCH Combined</b>	<b>Load Combined</b>	<b>Section</b>
Spring 2015	ASTR	RD	100	Intro To Astronomy-Honors	1	1	0.00			1
				Introduction To Astronomy	43	34	0.20	132	660	1
	RG	100	Introduction To Astronomy	22	18	0.20	77	385	1	