

FHDA Program Review

Limits:

Physical Sciences/Math/Engin > Astronomy-FD

Enrollment Trends

Physical Sciences/Math/Engin > Astronomy-FD

	2014-15	2015-16	2016-17	2017-18	2018-19	5-yr %Inc
↗Unduplicated Headcount	2,532	2,452	2,149	1,896	1,858	-26.6%
↗Census Enrollment	2,667	2,576	2,266	1,990	1,935	-27.4%
↗Sections	28	27	27	25	24	-14.3%
↗WSCH	4,406	4,249	3,722	3,262	3,173	-28.0%
↗FTES (end of term)	291	280	246	216	210	-27.8%
↗FTEF (end of term)	4.5	4.7	4.1	3.8	3.5	-21.2%
↗Productivity (WSCH/FTEF)	988	898	900	868	902	-8.6%

Faculty Workload

Physical Sciences/Math/Engin > Astronomy-FD

	2014-15	2015-16	2016-17	2017-18	2018-19	5-yr %Inc
Full Time Load	2.5	2.5	1.8	2.1	1.9	-24%
Full Time %	55.2%	53.0%	44.0%	55.0%	53.5%	-3%
Overload	1.2	1.5	0.9	1.1	0.9	-28%
Overload %	27.4%	31.4%	22.8%	28.4%	25.0%	-9%
Part Time Load	0.8	0.7	1.4	0.6	0.8	-3%
Part Time %	17.4%	15.6%	33.3%	16.6%	21.4%	23%
Total FTEF	4.5	4.7	4.1	3.8	3.5	-21%

Course Success

Physical Sciences/Math/Engin > Astronomy-FD

	2014-15		2015-16		2016-17		2017-18		2018-19	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Success	2,130	80%	2,096	81%	1,800	79%	1,632	82%	1,554	80%
Non Success	359	13%	286	11%	265	12%	230	12%	231	12%
Withdrew	178	7%	194	8%	201	9%	128	6%	150	8%
Total	2,667	100%	2,576	100%	2,266	100%	1,990	100%	1,935	100%

Course Success for Targeted Groups

	2014-15		2015-16		2016-17		2017-18		2018-19	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Success	683	68%	691	74%	622	69%	531	72%	516	72%
Non Success	212	21%	155	17%	156	17%	127	17%	123	17%
Withdrew	103	10%	93	10%	124	14%	82	11%	79	11%
Total	998	100%	939	100%	902	100%	740	100%	718	100%

Course Success for Non Targeted Groups

	2014-15		2015-16		2016-17		2017-18		2018-19	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Success	1,447	87%	1,405	86%	1,178	86%	1,101	88%	1,038	85%
Non Success	147	9%	131	8%	109	8%	103	8%	108	9%
Withdrew	75	4%	101	6%	77	6%	46	4%	71	6%
Total	1,669	100%	1,637	100%	1,364	100%	1,250	100%	1,217	100%

by Gender

	2014-15		2015-16		2016-17		2017-18		2018-19	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
Female	1,138	43%	1,090	42%	1,019	45%	841	42%	869	45%
Male	1,529	57%	1,486	58%	1,247	55%	1,149	58%	1,066	55%
Total	2,667	100%	2,576	100%	2,266	100%	1,990	100%	1,935	100%

by Ethnicity

	2014-15		2015-16		2016-17		2017-18		2018-19	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
African American	103	4%	87	3%	94	4%	73	4%	68	4%
Asian	1,142	43%	1,156	45%	953	42%	897	45%	878	45%
Filipinx	180	7%	190	7%	168	7%	122	6%	107	6%
Latinx	715	27%	662	26%	640	28%	545	27%	543	28%
Native American	13	0%	9	0%	10	0%	4	0%	8	0%
Pacific Islander	17	1%	28	1%	19	1%	13	1%	15	1%
White	445	17%	391	15%	340	15%	308	15%	295	15%
Decline to State	52	2%	53	2%	42	2%	28	1%	21	1%
Total	2,667	100%	2,576	100%	2,266	100%	1,990	100%	1,935	100%

by Age

	2014-15		2015-16		2016-17		2017-18		2018-19	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
19 or less	855	32%	799	31%	702	31%	583	29%	640	33%
20-24	1,453	54%	1,427	55%	1,281	57%	1,133	57%	1,053	54%
25-39	301	11%	312	12%	250	11%	235	12%	211	11%
40 +	58	2%	38	1%	33	1%	39	2%	31	2%
Total	2,667	100%	2,576	100%	2,266	100%	1,990	100%	1,935	100%

by Education Level

	2014-15		2015-16		2016-17		2017-18		2018-19	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
Bachelor or higher	41	2%	39	2%	19	1%	35	2%	25	1%
Associate	30	1%	30	1%	22	1%	13	1%	17	1%
HS/Equivalent	2,353	88%	2,279	88%	2,041	90%	1,767	89%	1,741	90%
All Other	243	9%	228	9%	184	8%	175	9%	152	8%
Total	2,667	100%	2,576	100%	2,266	100%	1,990	100%	1,935	100%

Some courses may continue to be listed but no longer have data due to renumbering or because the course was not offered in the past five years.

Success Rates by Gender
Physical Sciences/Math/Engin > Astronomy-FD

2018-19									
	Success		Non Success		Withdrew		Total		
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	
Female	681	78%	108	12%	80	9%	869	100%	
Male	873	82%	123	12%	70	7%	1,066	100%	
All	1,554	80%	231	12%	150	8%	1,935	100%	

2017-18									
	Success		Non Success		Withdrew		Total		
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	
Female	699	83%	79	9%	63	7%	841	100%	
Male	933	81%	151	13%	65	6%	1,149	100%	
All	1,632	82%	230	12%	128	6%	1,990	100%	

2016-17									
	Success		Non Success		Withdrew		Total		
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	
Female	823	81%	105	10%	91	9%	1,019	100%	
Male	977	78%	160	13%	110	9%	1,247	100%	
All	1,800	79%	265	12%	201	9%	2,266	100%	

2015-16									
	Success		Non Success		Withdrew		Total		
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	
Female	882	81%	128	12%	80	7%	1,090	100%	
Male	1,214	82%	158	11%	114	8%	1,486	100%	
All	2,096	81%	286	11%	194	8%	2,576	100%	

2014-15									
	Success		Non Success		Withdrew		Total		
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	
Female	926	81%	138	12%	74	7%	1,138	100%	
Male	1,204	79%	221	14%	104	7%	1,529	100%	
All	2,130	80%	359	13%	178	7%	2,667	100%	

Success Rates by Age
Physical Sciences/Math/Engin > Astronomy-FD

		2018-19							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
19 or less		544	85%	69	11%	27	4%	640	100%
20-24		835	79%	125	12%	93	9%	1,053	100%
25-39		153	73%	34	16%	24	11%	211	100%
40 +		22	71%	3	10%	6	19%	31	100%
All		1,554	80%	231	12%	150	8%	1,935	100%

		2017-18							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
19 or less		512	88%	50	9%	21	4%	583	100%
20-24		901	80%	151	13%	81	7%	1,133	100%
25-39		186	79%	27	11%	22	9%	235	100%
40 +		33	85%	2	5%	4	10%	39	100%
All		1,632	82%	230	12%	128	6%	1,990	100%

		2016-17							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
19 or less		594	85%	62	9%	46	7%	702	100%
20-24		994	78%	172	13%	115	9%	1,281	100%
25-39		180	72%	31	12%	39	16%	250	100%
40 +		32	97%	0	0%	1	3%	33	100%
All		1,800	79%	265	12%	201	9%	2,266	100%

		2015-16							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
19 or less		664	83%	87	11%	48	6%	799	100%
20-24		1,153	81%	164	11%	110	8%	1,427	100%
25-39		248	79%	32	10%	32	10%	312	100%
40 +		31	82%	3	8%	4	11%	38	100%
All		2,096	81%	286	11%	194	8%	2,576	100%

		2014-15							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
19 or less		686	80%	117	14%	52	6%	855	100%
20-24		1,154	79%	207	14%	92	6%	1,453	100%
25-39		242	80%	29	10%	30	10%	301	100%
40 +		48	83%	6	10%	4	7%	58	100%
All		2,130	80%	359	13%	178	7%	2,667	100%

	2018-19							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	45	66%	15	22%	8	12%	68	100%
Asian	758	86%	71	8%	49	6%	878	100%
Filipinx	83	78%	15	14%	9	8%	107	100%
Latinx	388	71%	93	17%	62	11%	543	100%
Native American	5	63%	3	38%	0	0%	8	100%
Pacific Islander	13	87%	2	13%	0	0%	15	100%
White	244	83%	30	10%	21	7%	295	100%
Decline to State	18	86%	2	10%	1	5%	21	100%
All	1,554	80%	231	12%	150	8%	1,935	100%

	2017-18							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	39	53%	19	26%	15	21%	73	100%
Asian	789	88%	75	8%	33	4%	897	100%
Filipinx	94	77%	21	17%	7	6%	122	100%
Latinx	398	73%	87	16%	60	11%	545	100%
Native American	3	75%	1	25%	0	0%	4	100%
Pacific Islander	10	77%	1	8%	2	15%	13	100%
White	275	89%	22	7%	11	4%	308	100%
Decline to State	24	86%	4	14%	0	0%	28	100%
All	1,632	82%	230	12%	128	6%	1,990	100%

	2016-17							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	59	63%	19	20%	16	17%	94	100%
Asian	824	86%	82	9%	47	5%	953	100%
Filipinx	133	79%	18	11%	17	10%	168	100%
Latinx	430	67%	119	19%	91	14%	640	100%
Native American	8	80%	0	0%	2	20%	10	100%
Pacific Islander	15	79%	2	11%	2	11%	19	100%
White	290	85%	24	7%	26	8%	340	100%
Decline to State	41	98%	1	2%	0	0%	42	100%
All	1,800	79%	265	12%	201	9%	2,266	100%

	2015-16							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	63	72%	19	22%	5	6%	87	100%
Asian	1,009	87%	83	7%	64	6%	1,156	100%
Filipinx	148	78%	23	12%	19	10%	190	100%
Latinx	480	73%	113	17%	69	10%	662	100%
Native American	9	100%	0	0%	0	0%	9	100%
Pacific Islander	18	64%	4	14%	6	21%	28	100%
White	322	82%	40	10%	29	7%	391	100%
Decline to State	47	89%	4	8%	2	4%	53	100%
All	2,096	81%	286	11%	194	8%	2,576	100%

	2014-15							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	64	62%	31	30%	8	8%	103	100%
Asian	1,008	88%	90	8%	44	4%	1,142	100%
Filipinx	141	78%	25	14%	14	8%	180	100%
Latinx	478	67%	156	22%	81	11%	715	100%
Native American	12	92%	1	8%	0	0%	13	100%
Pacific Islander	13	76%	2	12%	2	12%	17	100%
White	367	82%	50	11%	28	6%	445	100%
Decline to State	47	90%	4	8%	1	2%	52	100%
All	2,130	80%	359	13%	178	7%	2,667	100%