FHDA Program Review

Physical Sciences/Math/Engin > Astronomy-FD

Enrollment Trends

Physical Sciences/Math/Engin > Astronomy-FD

	2015-16	2016-17	2017-18	2018-19	2019-20	5-yr %lnc
✓Unduplicated Headcount	2,452	2,149	1,896	1,858	1,467	-40.2%
<u>✓</u> Census Enrollment	2,576	2,266	1,990	1,935	1,562	-39.4%
<u></u> ✓Sections	27	27	25	24	25	-7.4%
<u>~</u> WSCH	4,249	3,722	3,262	3,173	2,552	-39.9%
✓FTES (end of term)	280	246	216	210	169	-39.8%
✓FTEF (end of term)	4.7	4.1	3.8	3.5	3.4	-28.5%
✓Productivity (WSCH/FTEF)	898	900	868	902	754	-16.0%

Faculty Workload

Physical Sciences/Math/Engin > Astronomy-FD

	2045 40	2046 47	2047.40	2049.40	2040.20	E v. 0/ lm
	2015-16	2016-17	2017-18	2018-19	2019-20	5-yr %lnd
Full Time Load	2.5	1.8	2.1	1.9	1.1	-55%
Full Time %	53.0%	44.0%	55.0%	53.5%	33.6%	-37%
Overload	1.5	0.9	1.1	0.9	0.3	-82%
Overload %	31.4%	22.8%	28.4%	25.0%	7.9%	-75%
Part Time Load	0.7	1.4	0.6	8.0	2.0	169%
Part Time %	15.6%	33.3%	16.6%	21.4%	58.5%	276%
Total FTEF	4.7	4.1	3.8	3.5	3.4	-29%

Course Success

Physical Sciences/Math/Engin > Astronomy-FD

	2015	2015-16		2016-17		2017-18		2018-19		2019-20	
	Grades	Percent									
Success	2,096	81%	1,800	79%	1,632	82%	1,554	80%	1,187	76%	
Non Success	286	11%	265	12%	230	12%	231	12%	201	13%	
Withdrew	194	8%	201	9%	128	6%	150	8%	174	11%	
Total	2,576	100%	2,266	100%	1,990	100%	1,935	100%	1,562	100%	

Course Success for African American, Latinx, and Filipinx Students

	2015	2015-16		6-17	2017	'-18	2018-19		2019-20	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Success	691	74%	622	69%	531	72%	516	72%	450	68%
Non Success	155	17%	156	17%	127	17%	123	17%	116	18%
Withdrew	93	10%	124	14%	82	11%	79	11%	92	14%
Total	939	100%	902	100%	740	100%	718	100%	658	100%

Course Success for Asian, Native American, Pacific Islander, White, and Decline to State Students

	2015-16		2016-17		2017-18		2018-19		2019-20	
	Grades	Percent								
Success	1,405	86%	1,178	86%	1,101	88%	1,038	85%	737	82%
Non Success	131	8%	109	8%	103	8%	108	9%	85	9%
Withdrew	101	6%	77	6%	46	4%	71	6%	82	9%
Total	1,637	100%	1,364	100%	1,250	100%	1,217	100%	904	100%



by Gender

	2015-16		2016-17		2017	7-18	2018-19		2019-20	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
Female	1,072	42%	998	44%	829	42%	856	44%	649	42%
Male	1,486	58%	1,247	55%	1,149	58%	1,066	55%	902	58%
Not Reported	18	1%	21	1%	12	1%	13	1%	11	1%
Total	2,576	100%	2,266	100%	1,990	100%	1,935	100%	1,562	100%

by Ethnicity

	201	2015-16		6-17	201	7-18	2018-19		2019-20	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
African American	87	3%	94	4%	73	4%	68	4%	55	4%
Asian	1,156	45%	953	42%	897	45%	878	45%	600	38%
Filipinx	190	7%	168	7%	122	6%	107	6%	119	8%
Latinx	662	26%	640	28%	545	27%	543	28%	484	31%
Native American	9	0%	10	0%	4	0%	8	0%	6	0%
Pacific Islander	28	1%	19	1%	13	1%	15	1%	15	1%
White	391	15%	340	15%	308	15%	295	15%	237	15%
Decline to State	53	2%	42	2%	28	1%	21	1%	46	3%
Total	2,576	100%	2,266	100%	1,990	100%	1,935	100%	1,562	100%

by Age

	2015	2015-16		2016-17		'-18	2018-19		2019-20	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
19 or less	799	31%	702	31%	583	29%	640	33%	482	31%
20-24	1,427	55%	1,281	57%	1,133	57%	1,053	54%	824	53%
25-39	312	12%	250	11%	235	12%	211	11%	230	15%
40 +	38	1%	33	1%	39	2%	31	2%	26	2%
Total	2,576	100%	2,266	100%	1,990	100%	1,935	100%	1,562	100%

by Education Level

	201	2015-16		2016-17		7-18	2018-19		2019-20	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
Bachelor or higher	39	2%	19	1%	35	2%	25	1%	24	2%
Associate	30	1%	22	1%	13	1%	17	1%	11	1%
HS/Equivalent	2,279	88%	2,041	90%	1,767	89%	1,741	90%	1,428	91%
All Other	228	9%	184	8%	175	9%	152	8%	99	6%
Total	2,576	100%	2,266	100%	1,990	100%	1,935	100%	1,562	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.

				2019-	20			
	Succe	ess	Non Suc	ccess	Withd	rew	Tota	ıl
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percen
Female	483	74%	89	14%	77	12%	649	100%
Male	696	77%	110	12%	96	11%	902	100%
Not Reported	8	73%	2	18%	1	9%	11	100%
All	1,187	76%	201	13%	174	11%	1,562	100%
				2018-	19			
	Succe	ess	Non Suc	ccess	Withd	rew	Tota	ıl .
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percen
Female	672	79%	106	12%	78	9%	856	100%
Male	873	82%	123	12%	70	7%	1,066	100%
Not Reported	9	69%	2	15%	2	15%	13	100%
All	1,554	80%	231	12%	150	8%	1,935	100%
				2017-	18			
	Succe	Success		ccess	Withd	rew	Tota	ıl
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percen
Female	688	83%	79	10%	62	7%	829	100%
Male	933	81%	151	13%	65	6%	1,149	100%
Not Reported	11	92%	0	0%	1	8%	12	100%
All	1,632	82%	230	12%	128	6%	1,990	100%
				2016-	17			
	Succe	ess	Non Suc	ccess	Withd	rew	Tota	d .
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percen
Female	804	81%	104	10%	90	9%	998	100%
Male	977	78%	160	13%	110	9%	1,247	100%
Not Reported	19	90%	1	5%	1	5%	21	100%
All	1,800	79%	265	12%	201	9%	2,266	100%
				2015-	16			
	Succe		Non Suc		Withd		Tota	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percen
Female	866	81%	126	12%	80	7%	1,072	100%
Male	1,214	82%	158	11%	114	8%	1,486	100%
Not Reported All	16 2,096	89% 81%	2 286	11% 11%	0 194	0% 8%	18 2,576	100% 100%

				2019-	20			
	Succe	ess	Non Suc	cess	Withd	œw	Tota	ıl
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
19 or less	381	79%	60	12%	41	9%	482	100%
20-24	623	76%	116	14%	85	10%	824	100%
25-39	162	70%	24	10%	44	19%	230	100%
40 +	21	81%	1	4%	4	15%	26	100%
All	1,187	76%	201	13%	174	11%	1,562	100%
				2018-	19			
	Succe	ess	Non Suc	cess	Withd	ew	Tota	ıl
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percen
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			
	Succe	ess	Non Suc	cess	Withd	ew	Tota	ıl
	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			
	Succe	ess	Non Suc	cess	Withd	ew	Tota	ıl
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percen
19 or less	594	85%	62	9%	46	7%	702	100%
	994	78%	172	13%	115	9%	1,281	100%
20-24	334						0.50	100%
	180	72%	31	12%	39	16%	250	.00,
25-39			31 0	12% 0%	39 1	16% 3%	33	
25-39 40 +	180	72%			39 1 201			100%
25-39 40 +	180 32 1,800	72% 97% 79%	0 265	0% 12% 2015 -	1 201 16	3% 9%	33 2,266	100% 100%
25-39 40 +	180 32 1,800	72% 97% 79%	0 265 Non Suc	0% 12% 2015-	1 201 16 Withdi	3% 9%	33 2,266 Tota	100% 100%
25-39 40 + All	180 32 1,800 Succe Grades	72% 97% 79% Percent	0 265 Non Suc Grades	0% 12% 2015- ccess Percent	1 201 16 Withdi Grades	3% 9% Tew Percent	33 2,266 Tota Grades	100% 100% al Percen
25-39 40 + All 19 or less	180 32 1,800 Succe Grades 664	72% 97% 79% ******************************	0 265 Non Suc Grades 87	0% 12% 2015- ccess Percent 11%	1 201 16 Withdo Grades 48	3% 9% Percent 6%	33 2,266 Tota Grades 799	100% 100% al Percen 100%
25-39 40 + All 19 or less 20-24	180 32 1,800 Succe Grades 664 1,153	72% 97% 79% ress Percent 83% 81%	0 265 Non Suc Grades 87 164	0% 12% 2015- ccess Percent 11% 11%	1 201 16 Withd i Grades 48 110	3% 9% 9% Percent 6% 8%	33 2,266 Tota Grades 799 1,427	100% 100% al Percen 100% 100%
20-24 25-39 40 + All 19 or less 20-24 25-39	180 32 1,800 Succe Grades 664 1,153 248	72% 97% 79% 79% Percent 83% 81% 79%	0 265 Non Suc Grades 87 164 32	0% 12% 2015- ccess Percent 11% 11% 10%	1 201 16 Withdown Grades 48 110 32	3% 9% Percent 6% 8% 10%	33 2,266 Tota Grades 799 1,427 312	100% 100% Percen 100% 100%
25-39 40 + All 19 or less 20-24 25-39 40 +	180 32 1,800 Succe Grades 664 1,153 248 31	72% 97% 79% 	0 265 Non Suc Grades 87 164 32 3	0% 12% 2015- ccess Percent 11% 11% 10% 8%	1 201 16 Withdo Grades 48 110 32 4	3% 9% Percent 6% 8% 10% 11%	33 2,266 Tota Grades 799 1,427 312 38	100 100 100 100 100 100
25-39 40 + All 19 or less 20-24 25-39	180 32 1,800 Succe Grades 664 1,153 248	72% 97% 79% 79% Percent 83% 81% 79%	0 265 Non Suc Grades 87 164 32	0% 12% 2015- ccess Percent 11% 11% 10%	1 201 16 Withdown Grades 48 110 32	3% 9% Percent 6% 8% 10%	33 2,266 Tota Grades 799 1,427 312	100% 100% al Percen 100% 100%

	Succe	nee	Non Suc	2019-	·20 Withd	row	Tota	i
	Grades	ess Percent	Grades	cess Percent	Grades	rew Percent	Grades	ı Percer
African American	30	55%	12	22%	13	24%	55	1009
Asian			51	9%	59	10%		100%
	490	82%		18%	11	9%	600	1009
Filipinx	86	72%	22				119	
Latinx Native American	334	69%	82	17%	68	14%	484	1009
	5	83%	1	17%	0	0%	6	1009
Pacific Islander	13	87%	2	13%	0	0%	15	1009
White	188	79%	26	11%	23	10%	237	1009
Decline to State	41	89%	5	11%	0	0%	46	1009
All	1,187	76%	201	13%	174	11%	1,562	1009
	Succe	nee	Non Suc	2018-	19 Withd	row	Tota	ı
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percer
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%	8	100
Nauve American Pacific Islander					0			
Pacific islander White	13	87%	2	13%	0	0%	15	100
wnite Decline to State	244	83%	30	10%	21	7%	295	100
	18	86%	2	10%	1	5%	21	100
All	1,554	80%	231	12%	150	8%	1,935	100
	Succe	166	Non Suc	2017-	18 Withd	rew	Tota	ı
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percei
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%	- 07	25%	0	0%		100
Pacific Islander	10		1	8%			4 13	100
		77%	'		2	15%		
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
	Curan		Non Suc	2016-			Tata	
	Succe Grades	Percent	Grades	Percent	Withd Grades	Percent	Tota Grades	ı Percer
African American	59	63%	19	20%	16	17%	94	100
Asian	824	86%	82	9%	47	5%	953	100
Asian Filipinx	133	79%	18	11%	17	10%	168	100
rilipinx Latinx								
Latinx Native American	430	67%	119	19%	91	14%	640	100
	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 All	1,800	98% 79%	265	2% 12%	0 201	0% 9%	42 2,266	100
	,,,,,,	1371		ı		374	_,,	
	Succe	ess	Non Suc	2015- cess	∙16 Withd	rew	Tota	I
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Perce
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
_atinx	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
beenine to otate	71	09/0	4	0 /0		7/0	55	100