

FHDA Program Review

Physical Sciences/Math/Engin > Physics-FD

Enrollment Trends

Physical Sciences/Math/Engin > Physics-FD

	2015-16	2016-17	2017-18	2018-19	2019-20	5-yr %Inc
↗ Unduplicated Headcount	1,576	1,441	1,399	1,340	1,466	-7.0%
↗ Census Enrollment	2,316	2,120	2,053	1,974	2,215	-4.4%
↗ Sections	72	70	67	60	66	-8.3%
↗ WSCH	4,847	4,481	4,250	4,184	4,907	1.2%
↗ FTES (end of term)	327	302	287	283	330	1.1%
↗ FTEF (end of term)	8.5	8.5	7.9	7.0	7.7	-9.7%
↗ Productivity (WSCH/FTEF)	569	529	535	595	638	12.1%

Faculty Workload

Physical Sciences/Math/Engin > Physics-FD

	2015-16	2016-17	2017-18	2018-19	2019-20	5-yr %Inc
Full Time Load	3.0	3.0	3.0	3.0	2.9	-3%
Full Time %	35.3%	34.9%	37.9%	42.1%	38.0%	7%
Overload	1.9	1.4	1.5	1.2	1.4	-27%
Overload %	22.2%	16.7%	18.8%	17.1%	17.9%	-19%
Part Time Load	3.6	4.1	3.4	2.9	3.4	-6%
Part Time %	42.5%	48.4%	43.3%	40.9%	44.3%	4%
Total FTEF	8.5	8.5	7.9	7.0	7.7	-10%

Course Success

Physical Sciences/Math/Engin > Physics-FD

	2015-16		2016-17		2017-18		2018-19		2019-20	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Success	1,492	64%	1,366	64%	1,233	60%	1,252	63%	1,502	68%
Non Success	382	16%	307	14%	332	16%	327	17%	241	11%
Withdrew	442	19%	447	21%	488	24%	395	20%	472	21%
Total	2,316	100%	2,120	100%	2,053	100%	1,974	100%	2,215	100%

Course Success for African American, Latinx, and Filipinx Students

	2015-16		2016-17		2017-18		2018-19		2019-20	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Success	185	53%	181	54%	185	46%	183	54%	181	51%
Non Success	63	18%	56	17%	75	19%	70	21%	62	17%
Withdrew	102	29%	98	29%	138	35%	85	25%	113	32%
Total	350	100%	335	100%	398	100%	338	100%	356	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	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Success	1,307	66%	1,185	66%	1,048	63%	1,069	65%	1,321	71%
Non Success	319	16%	251	14%	257	16%	257	16%	179	10%
Withdrew	340	17%	349	20%	350	21%	310	19%	359	19%
Total	1,966	100%	1,785	100%	1,655	100%	1,636	100%	1,859	100%

by Gender

	2015-16		2016-17		2017-18		2018-19		2019-20	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
Female	673	29%	583	28%	599	29%	619	31%	654	30%
Male	1,622	70%	1,524	72%	1,448	71%	1,344	68%	1,545	70%
Non-Binary	0	0%	0	0%	0	0%	1	0%	1	0%
Not Reported	21	1%	13	1%	6	0%	10	1%	15	1%
Total	2,316	100%	2,120	100%	2,053	100%	1,974	100%	2,215	100%

by Ethnicity

	2015-16		2016-17		2017-18		2018-19		2019-20	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
African American	38	2%	45	2%	40	2%	42	2%	41	2%
Asian	1,543	67%	1,441	68%	1,337	65%	1,302	66%	1,453	66%
Filipinx	117	5%	94	4%	112	5%	80	4%	100	5%
Latinx	195	8%	196	9%	246	12%	216	11%	215	10%
Native American	1	0%	6	0%	1	0%	6	0%	4	0%
Pacific Islander	2	0%	4	0%	9	0%	4	0%	8	0%
White	362	16%	301	14%	279	14%	295	15%	354	16%
Decline to State	58	3%	33	2%	29	1%	29	1%	40	2%
Total	2,316	100%	2,120	100%	2,053	100%	1,974	100%	2,215	100%

by Age

	2015-16		2016-17		2017-18		2018-19		2019-20	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
19 or less	560	24%	533	25%	526	26%	460	23%	615	28%
20-24	1,452	63%	1,342	63%	1,239	60%	1,183	60%	1,251	56%
25-39	294	13%	232	11%	282	14%	307	16%	331	15%
40 +	10	0%	13	1%	6	0%	24	1%	18	1%
Total	2,316	100%	2,120	100%	2,053	100%	1,974	100%	2,215	100%

by Education Level

	2015-16		2016-17		2017-18		2018-19		2019-20	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
Bachelor or higher	74	3%	47	2%	56	3%	75	4%	85	4%
Associate	43	2%	31	1%	34	2%	34	2%	51	2%
HS/Equivalent	1,957	84%	1,819	86%	1,740	85%	1,649	84%	1,840	83%
All Other	242	10%	223	11%	223	11%	216	11%	239	11%
Total	2,316	100%	2,120	100%	2,053	100%	1,974	100%	2,215	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

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Female	469	72%	58	9%	127	19%	654	100%
Male	1,024	66%	183	12%	338	22%	1,545	100%
Non-Binary	0	0%	0	0%	1	100%	1	100%
Not Reported	9	60%	0	0%	6	40%	15	100%
All	1,502	68%	241	11%	472	21%	2,215	100%

2018-19

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Female	413	67%	92	15%	114	18%	619	100%
Male	834	62%	232	17%	278	21%	1,344	100%
Non-Binary	0	0%	1	100%	0	0%	1	100%
Not Reported	5	50%	2	20%	3	30%	10	100%
All	1,252	63%	327	17%	395	20%	1,974	100%

2017-18

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Female	417	70%	68	11%	114	19%	599	100%
Male	811	56%	264	18%	373	26%	1,448	100%
Non-Binary	0	N/A	0	N/A	0	N/A	0	100%
Not Reported	5	83%	0	0%	1	17%	6	100%
All	1,233	60%	332	16%	488	24%	2,053	100%

2016-17

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Female	411	70%	57	10%	115	20%	583	100%
Male	944	62%	249	16%	331	22%	1,524	100%
Non-Binary	0	N/A	0	N/A	0	N/A	0	100%
Not Reported	11	85%	1	8%	1	8%	13	100%
All	1,366	64%	307	14%	447	21%	2,120	100%

2015-16

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Female	466	69%	89	13%	118	18%	673	100%
Male	1,019	63%	288	18%	315	19%	1,622	100%
Non-Binary	0	N/A	0	N/A	0	N/A	0	100%
Not Reported	7	33%	5	24%	9	43%	21	100%
All	1,492	64%	382	16%	442	19%	2,316	100%

2019-20

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
19 or less	454	74%	39	6%	122	20%	615	100%
20-24	831	66%	156	12%	264	21%	1,251	100%
25-39	207	63%	44	13%	80	24%	331	100%
40 +	10	56%	2	11%	6	33%	18	100%
All	1,502	68%	241	11%	472	21%	2,215	100%

2018-19

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
19 or less	332	72%	48	10%	80	17%	460	100%
20-24	732	62%	214	18%	237	20%	1,183	100%
25-39	171	56%	63	21%	73	24%	307	100%
40 +	17	71%	2	8%	5	21%	24	100%
All	1,252	63%	327	17%	395	20%	1,974	100%

2017-18

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
19 or less	366	70%	67	13%	93	18%	526	100%
20-24	708	57%	205	17%	326	26%	1,239	100%
25-39	154	55%	60	21%	68	24%	282	100%
40 +	5	83%	0	0%	1	17%	6	100%
All	1,233	60%	332	16%	488	24%	2,053	100%

2016-17

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
19 or less	375	70%	60	11%	98	18%	533	100%
20-24	831	62%	217	16%	294	22%	1,342	100%
25-39	151	65%	28	12%	53	23%	232	100%
40 +	9	69%	2	15%	2	15%	13	100%
All	1,366	64%	307	14%	447	21%	2,120	100%

2015-16

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
19 or less	403	72%	62	11%	95	17%	560	100%
20-24	888	61%	276	19%	288	20%	1,452	100%
25-39	193	66%	44	15%	57	19%	294	100%
40 +	8	80%	0	0%	2	20%	10	100%
All	1,492	64%	382	16%	442	19%	2,316	100%

2019-20

	Success		Non Success		Withdrawn		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	16	39%	8	20%	17	41%	41	100%
Asian	1,029	71%	141	10%	283	19%	1,453	100%
Filipinx	55	55%	15	15%	30	30%	100	100%
Latinx	110	51%	39	18%	66	31%	215	100%
Native American	3	75%	0	0%	1	25%	4	100%
Pacific Islander	5	63%	2	25%	1	13%	8	100%
White	251	71%	33	9%	70	20%	354	100%
Decline to State	33	83%	3	8%	4	10%	40	100%
All	1,502	68%	241	11%	472	21%	2,215	100%

2018-19

	Success		Non Success		Withdrawn		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	20	48%	13	31%	9	21%	42	100%
Asian	854	66%	199	15%	249	19%	1,302	100%
Filipinx	51	64%	10	13%	19	24%	80	100%
Latinx	112	52%	47	22%	57	26%	216	100%
Native American	4	67%	2	33%	0	0%	6	100%
Pacific Islander	2	50%	1	25%	1	25%	4	100%
White	190	64%	49	17%	56	19%	295	100%
Decline to State	19	66%	6	21%	4	14%	29	100%
All	1,252	63%	327	17%	395	20%	1,974	100%

2017-18

	Success		Non Success		Withdrawn		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	15	38%	9	23%	16	40%	40	100%
Asian	840	63%	210	16%	287	21%	1,337	100%
Filipinx	48	43%	28	25%	36	32%	112	100%
Latinx	122	50%	38	15%	86	35%	246	100%
Native American	1	100%	0	0%	0	0%	1	100%
Pacific Islander	4	44%	2	22%	3	33%	9	100%
White	185	66%	36	13%	58	21%	279	100%
Decline to State	18	62%	9	31%	2	7%	29	100%
All	1,233	60%	332	16%	488	24%	2,053	100%

2016-17

	Success		Non Success		Withdrawn		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	25	56%	6	13%	14	31%	45	100%
Asian	966	67%	200	14%	275	19%	1,441	100%
Filipinx	46	49%	19	20%	29	31%	94	100%
Latinx	110	56%	31	16%	55	28%	196	100%
Native American	5	83%	0	0%	1	17%	6	100%
Pacific Islander	1	25%	2	50%	1	25%	4	100%
White	193	64%	43	14%	65	22%	301	100%
Decline to State	20	61%	6	18%	7	21%	33	100%
All	1,366	64%	307	14%	447	21%	2,120	100%

2015-16

	Success		Non Success		Withdrawn		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	22	58%	3	8%	13	34%	38	100%
Asian	1,018	66%	269	17%	256	17%	1,543	100%
Filipinx	55	47%	25	21%	37	32%	117	100%
Latinx	108	55%	35	18%	52	27%	195	100%
Native American	1	100%	0	0%	0	0%	1	100%
Pacific Islander	2	100%	0	0%	0	0%	2	100%
White	242	67%	42	12%	78	22%	362	100%
Decline to State	44	76%	8	14%	6	10%	58	100%
All	1,492	64%	382	16%	442	19%	2,316	100%