

# FHDA Program Review

Mathematics-FD

## Enrollment Trends Mathematics-FD

	2013-14	2014-15	2015-16	2016-17	2017-18	5-yr %Inc
✔ Unduplicated Headcount	12,805	13,203	12,687	12,398	11,595	-9.4%
✔ Census Enrollment	23,240	23,854	22,950	22,785	21,268	-8.5%
✔ Sections	653	669	648	667	637	-2.5%
✔ WSCH	39,996	41,125	39,455	39,478	37,189	-7.0%
✔ FTES (end of term)	2,644	2,709	2,599	2,610	2,459	-7.0%
✔ FTEF (end of term)	72.2	72.5	70.9	74.7	71.2	-1.4%
✔ Productivity (WSCH/FTEF)	554	568	557	528	522	-5.7%

## Faculty Workload Mathematics-FD

	2013-14	2014-15	2015-16	2016-17	2017-18	5-yr %Inc
Full Time Load	27.3	26.5	25.8	28.0	26.5	-3%
Full Time %	37.8%	36.6%	36.3%	37.4%	37.3%	-1%
Overload	12.1	10.7	9.5	10.9	8.8	-27%
Overload %	16.8%	14.8%	13.4%	14.6%	12.4%	-26%
Part Time Load	32.8	35.2	35.7	35.9	35.9	9%
Part Time %	45.4%	48.6%	50.3%	48.0%	50.4%	11%
Total FTEF	72.2	72.5	70.9	74.7	71.2	-1%

## Course Success Mathematics-FD

	2013-14		2014-15		2015-16		2016-17		2017-18	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Success	14,887	64%	15,332	64%	14,972	65%	14,747	65%	14,177	67%
Non Success	4,984	21%	5,059	21%	4,752	21%	4,564	20%	3,999	19%
Withdrew	3,369	14%	3,463	15%	3,226	14%	3,474	15%	3,092	15%
Total	23,240	100%	23,854	100%	22,950	100%	22,785	100%	21,268	100%

**Course Success by Targeted Ethnic Group**  
Mathematics-FD

Course Success for Targeted Groups

	2013-14		2014-15		2015-16		2016-17		2017-18	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>Success</b>	4,304	53%	4,547	53%	4,471	54%	4,690	55%	4,366	56%
<b>Non Success</b>	2,380	30%	2,511	29%	2,380	29%	2,248	26%	2,043	26%
<b>Withdrew</b>	1,382	17%	1,469	17%	1,425	17%	1,551	18%	1,357	17%
<b>Total</b>	8,066	100%	8,527	100%	8,276	100%	8,489	100%	7,766	100%

Course Success for Non Targeted Groups

	2013-14		2014-15		2015-16		2016-17		2017-18	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>Success</b>	10,583	70%	10,785	70%	10,501	72%	10,057	70%	9,811	73%
<b>Non Success</b>	2,604	17%	2,548	17%	2,372	16%	2,316	16%	1,956	14%
<b>Withdrew</b>	1,987	13%	1,994	13%	1,801	12%	1,923	13%	1,735	13%
<b>Total</b>	15,174	100%	15,327	100%	14,674	100%	14,296	100%	13,502	100%

**Enrollment Distribution by Student Demographics**  
Mathematics-FD

by Gender

	2013-14		2014-15		2015-16		2016-17		2017-18	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
<b>Female</b>	9,875	42%	10,235	43%	9,995	44%	9,867	43%	9,041	43%
<b>Male</b>	13,365	58%	13,619	57%	12,955	56%	12,918	57%	12,227	57%
<b>Total</b>	23,240	100%	23,854	100%	22,950	100%	22,785	100%	21,268	100%

by Ethnicity

	2013-14		2014-15		2015-16		2016-17		2017-18	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
<b>African American</b>	972	4%	909	4%	865	4%	874	4%	818	4%
<b>Asian</b>	10,490	45%	10,777	45%	10,590	46%	10,405	46%	9,784	46%
<b>Filipino</b>	1,449	6%	1,649	7%	1,643	7%	1,631	7%	1,392	7%
<b>Latino/a</b>	5,645	24%	5,969	25%	5,768	25%	5,984	26%	5,556	26%
<b>Native American</b>	74	0%	90	0%	53	0%	74	0%	79	0%
<b>Pacific Islander</b>	171	1%	163	1%	161	1%	170	1%	156	1%
<b>White</b>	3,917	17%	3,804	16%	3,356	15%	3,267	14%	3,217	15%
<b>Decline to State</b>	522	2%	493	2%	514	2%	380	2%	266	1%
<b>Total</b>	23,240	100%	23,854	100%	22,950	100%	22,785	100%	21,268	100%

by Age

	2013-14		2014-15		2015-16		2016-17		2017-18	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
<b>19 or less</b>	8,075	35%	8,233	35%	7,708	34%	7,341	32%	6,399	30%
<b>20-24</b>	11,441	49%	11,883	50%	11,762	51%	11,924	52%	11,261	53%
<b>25-39</b>	3,244	14%	3,337	14%	3,109	14%	3,139	14%	3,277	15%
<b>40 +</b>	480	2%	401	2%	371	2%	381	2%	331	2%
<b>Total</b>	23,240	100%	23,854	100%	22,950	100%	22,785	100%	21,268	100%

by Education Level

	2013-14		2014-15		2015-16		2016-17		2017-18	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
<b>Bachelor or higher</b>	401	2%	366	2%	363	2%	413	2%	431	2%
<b>Associate</b>	364	2%	366	2%	344	1%	370	2%	384	2%
<b>HS/Equivalent</b>	20,524	88%	21,204	89%	20,436	89%	20,205	89%	18,748	88%
<b>All Other</b>	1,951	8%	1,918	8%	1,807	8%	1,797	8%	1,705	8%
<b>Total</b>	23,240	100%	23,854	100%	22,950	100%	22,785	100%	21,268	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**  
Mathematics-FD

**2017-18**

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>Female</b>	6,316	70%	1,487	16%	1,238	14%	9,041	100%
<b>Male</b>	7,861	64%	2,512	21%	1,854	15%	12,227	100%
<b>All</b>	14,177	67%	3,999	19%	3,092	15%	21,268	100%

**2016-17**

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>Female</b>	6,691	68%	1,819	18%	1,357	14%	9,867	100%
<b>Male</b>	8,056	62%	2,745	21%	2,117	16%	12,918	100%
<b>All</b>	14,747	65%	4,564	20%	3,474	15%	22,785	100%

**2015-16**

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>Female</b>	6,778	68%	1,920	19%	1,297	13%	9,995	100%
<b>Male</b>	8,194	63%	2,832	22%	1,929	15%	12,955	100%
<b>All</b>	14,972	65%	4,752	21%	3,226	14%	22,950	100%

**2014-15**

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>Female</b>	6,856	67%	1,974	19%	1,405	14%	10,235	100%
<b>Male</b>	8,476	62%	3,085	23%	2,058	15%	13,619	100%
<b>All</b>	15,332	64%	5,059	21%	3,463	15%	23,854	100%

**2013-14**

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>Female</b>	6,637	67%	1,921	19%	1,317	13%	9,875	100%
<b>Male</b>	8,250	62%	3,063	23%	2,052	15%	13,365	100%
<b>All</b>	14,887	64%	4,984	21%	3,369	14%	23,240	100%

**Success Rates by Age**  
Mathematics-FD

**2017-18**

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>19 or less</b>	4,579	72%	1,133	18%	687	11%	6,399	100%
<b>20-24</b>	7,173	64%	2,311	21%	1,777	16%	11,261	100%
<b>25-39</b>	2,195	67%	517	16%	565	17%	3,277	100%
<b>40 +</b>	230	69%	38	11%	63	19%	331	100%
<b>All</b>	14,177	67%	3,999	19%	3,092	15%	21,268	100%

**2016-17**

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>19 or less</b>	5,070	69%	1,379	19%	892	12%	7,341	100%
<b>20-24</b>	7,375	62%	2,607	22%	1,942	16%	11,924	100%
<b>25-39</b>	2,042	65%	519	17%	578	18%	3,139	100%
<b>40 +</b>	260	68%	59	15%	62	16%	381	100%
<b>All</b>	14,747	65%	4,564	20%	3,474	15%	22,785	100%

**2015-16**

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>19 or less</b>	5,506	71%	1,473	19%	729	9%	7,708	100%
<b>20-24</b>	7,219	61%	2,664	23%	1,879	16%	11,762	100%
<b>25-39</b>	1,994	64%	559	18%	556	18%	3,109	100%
<b>40 +</b>	253	68%	56	15%	62	17%	371	100%
<b>All</b>	14,972	65%	4,752	21%	3,226	14%	22,950	100%

**2014-15**

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>19 or less</b>	5,644	69%	1,684	20%	905	11%	8,233	100%
<b>20-24</b>	7,274	61%	2,757	23%	1,852	16%	11,883	100%
<b>25-39</b>	2,166	65%	549	16%	622	19%	3,337	100%
<b>40 +</b>	248	62%	69	17%	84	21%	401	100%
<b>All</b>	15,332	64%	5,059	21%	3,463	15%	23,854	100%

**2013-14**

	<b>Success</b>		<b>Non Success</b>		<b>Withdrew</b>		<b>Total</b>	
	<b>Grades</b>	<b>Percent</b>	<b>Grades</b>	<b>Percent</b>	<b>Grades</b>	<b>Percent</b>	<b>Grades</b>	<b>Percent</b>
<b>19 or less</b>	5,530	68%	1,712	21%	833	10%	8,075	100%
<b>20-24</b>	6,891	60%	2,669	23%	1,881	16%	11,441	100%
<b>25-39</b>	2,143	66%	535	16%	566	17%	3,244	100%
<b>40 +</b>	323	67%	68	14%	89	19%	480	100%
<b>All</b>	14,887	64%	4,984	21%	3,369	14%	23,240	100%

**Success Rates by Ethnicity**  
Mathematics-FD

	<b>2017-18</b>							
	<b>Success</b>		<b>Non Success</b>		<b>Withdrew</b>		<b>Total</b>	
	<b>Grades</b>	<b>Percent</b>	<b>Grades</b>	<b>Percent</b>	<b>Grades</b>	<b>Percent</b>	<b>Grades</b>	<b>Percent</b>
<b>African American</b>	470	57%	214	26%	134	16%	818	100%
<b>Asian</b>	7,248	74%	1,357	14%	1,179	12%	9,784	100%
<b>Filipino</b>	873	63%	282	20%	237	17%	1,392	100%
<b>Latino/a</b>	3,023	54%	1,547	28%	986	18%	5,556	100%
<b>Native American</b>	42	53%	20	25%	17	22%	79	100%
<b>Pacific Islander</b>	79	51%	42	27%	35	22%	156	100%
<b>White</b>	2,241	70%	493	15%	483	15%	3,217	100%
<b>Decline to State</b>	201	76%	44	17%	21	8%	266	100%
<b>All</b>	14,177	67%	3,999	19%	3,092	15%	21,268	100%

	<b>2016-17</b>							
	<b>Success</b>		<b>Non Success</b>		<b>Withdrew</b>		<b>Total</b>	
	<b>Grades</b>	<b>Percent</b>	<b>Grades</b>	<b>Percent</b>	<b>Grades</b>	<b>Percent</b>	<b>Grades</b>	<b>Percent</b>
<b>African American</b>	476	54%	231	26%	167	19%	874	100%
<b>Asian</b>	7,455	72%	1,632	16%	1,318	13%	10,405	100%
<b>Filipino</b>	1,004	62%	364	22%	263	16%	1,631	100%
<b>Latino/a</b>	3,210	54%	1,653	28%	1,121	19%	5,984	100%
<b>Native American</b>	42	57%	22	30%	10	14%	74	100%
<b>Pacific Islander</b>	87	51%	48	28%	35	21%	170	100%
<b>White</b>	2,182	67%	560	17%	525	16%	3,267	100%
<b>Decline to State</b>	291	77%	54	14%	35	9%	380	100%
<b>All</b>	14,747	65%	4,564	20%	3,474	15%	22,785	100%

	<b>2015-16</b>							
	<b>Success</b>		<b>Non Success</b>		<b>Withdrew</b>		<b>Total</b>	
	<b>Grades</b>	<b>Percent</b>	<b>Grades</b>	<b>Percent</b>	<b>Grades</b>	<b>Percent</b>	<b>Grades</b>	<b>Percent</b>
<b>African American</b>	461	53%	255	29%	149	17%	865	100%
<b>Asian</b>	7,745	73%	1,634	15%	1,211	11%	10,590	100%
<b>Filipino</b>	1,003	61%	373	23%	267	16%	1,643	100%
<b>Latino/a</b>	3,007	52%	1,752	30%	1,009	17%	5,768	100%
<b>Native American</b>	31	58%	13	25%	9	17%	53	100%
<b>Pacific Islander</b>	99	61%	35	22%	27	17%	161	100%
<b>White</b>	2,243	67%	603	18%	510	15%	3,356	100%
<b>Decline to State</b>	383	75%	87	17%	44	9%	514	100%
<b>All</b>	14,972	65%	4,752	21%	3,226	14%	22,950	100%

**2014-15**

	<b>Success</b>		<b>Non Success</b>		<b>Withdrew</b>		<b>Total</b>	
	<b>Grades</b>	<b>Percent</b>	<b>Grades</b>	<b>Percent</b>	<b>Grades</b>	<b>Percent</b>	<b>Grades</b>	<b>Percent</b>
<b>African American</b>	461	51%	278	31%	170	19%	909	100%
<b>Asian</b>	7,766	72%	1,704	16%	1,307	12%	10,777	100%
<b>Filipino</b>	993	60%	399	24%	257	16%	1,649	100%
<b>Latino/a</b>	3,093	52%	1,834	31%	1,042	17%	5,969	100%
<b>Native American</b>	47	52%	27	30%	16	18%	90	100%
<b>Pacific Islander</b>	98	60%	44	27%	21	13%	163	100%
<b>White</b>	2,508	66%	683	18%	613	16%	3,804	100%
<b>Decline to State</b>	366	74%	90	18%	37	8%	493	100%
<b>All</b>	15,332	64%	5,059	21%	3,463	15%	23,854	100%

**2013-14**

	<b>Success</b>		<b>Non Success</b>		<b>Withdrew</b>		<b>Total</b>	
	<b>Grades</b>	<b>Percent</b>	<b>Grades</b>	<b>Percent</b>	<b>Grades</b>	<b>Percent</b>	<b>Grades</b>	<b>Percent</b>
<b>African American</b>	467	48%	323	33%	182	19%	972	100%
<b>Asian</b>	7,531	72%	1,685	16%	1,274	12%	10,490	100%
<b>Filipino</b>	891	61%	341	24%	217	15%	1,449	100%
<b>Latino/a</b>	2,946	52%	1,716	30%	983	17%	5,645	100%
<b>Native American</b>	42	57%	15	20%	17	23%	74	100%
<b>Pacific Islander</b>	99	58%	47	27%	25	15%	171	100%
<b>White</b>	2,556	65%	749	19%	612	16%	3,917	100%
<b>Decline to State</b>	355	68%	108	21%	59	11%	522	100%
<b>All</b>	14,887	64%	4,984	21%	3,369	14%	23,240	100%