

ASSESSMENT DAY

College of Arts and Sciences

School of Mathematics

November 10, 2017

Academic Assessment

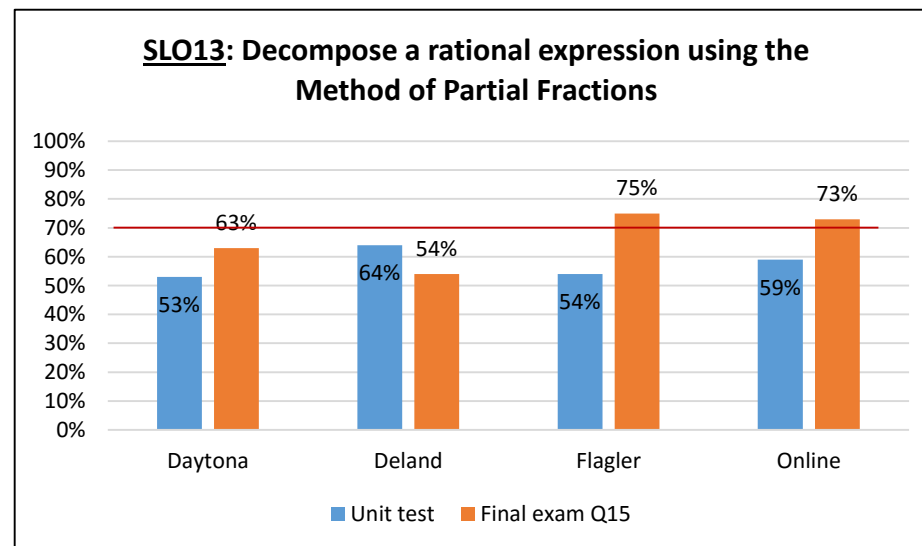
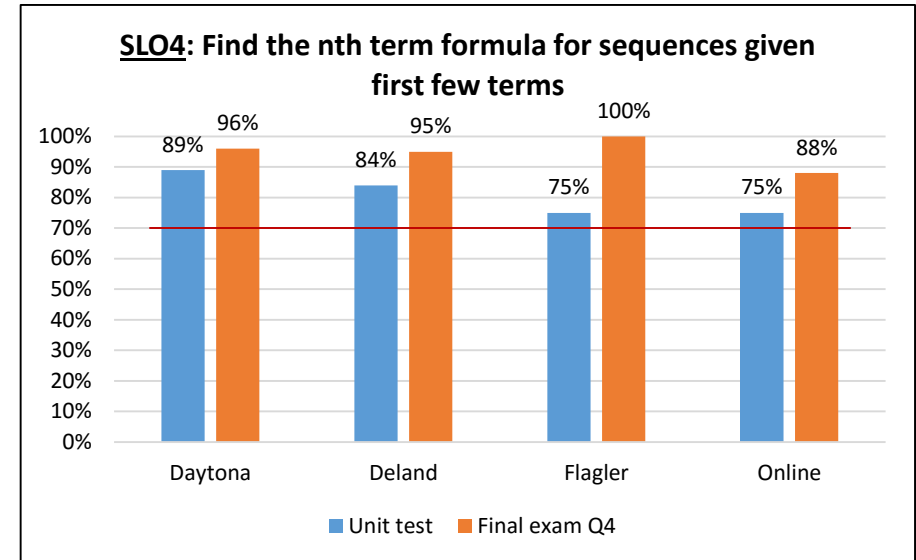
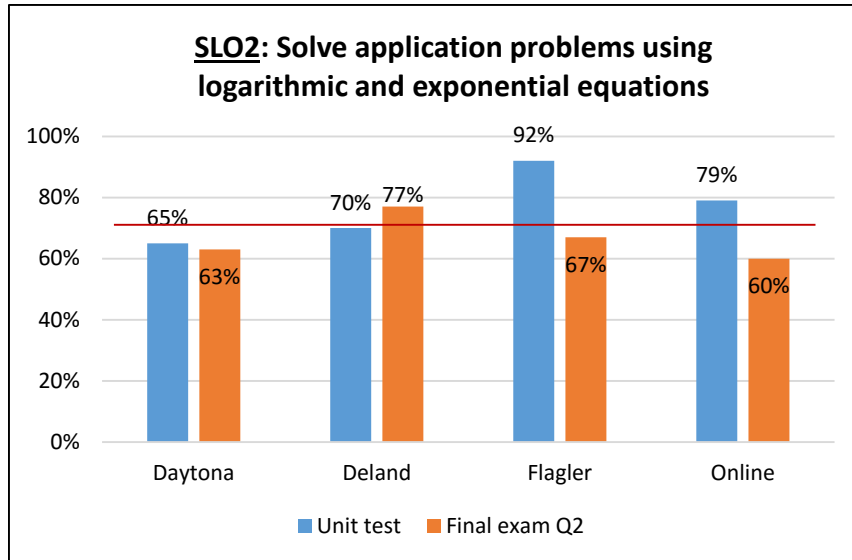
	LEVEL	FOCUS	CONDUCTED BY	FREQUENCY
Academic Success Committee	Program	<ul style="list-style-type: none"> Quality of assessment practices 	Committee of peers	Years 1 & 2
Instructional Program Review	Program / Cluster	<ul style="list-style-type: none"> Enrollment, retention, completion Industry certifications and job placement Program budget and staffing Advisory committees Curriculum changes 	Committee of peers	Year 3
Assessment Day	Course/ Program	<ul style="list-style-type: none"> Enrollment by demographics Graduation and retention Average class size Course success rate Placement rate SLOs, PLOs and ILOs 	Program Chair and Faculty	Years 1, 2, 3

Last Assessment Day – Action Items

School of Mathematics (10/07/2016):

1. Provide student access to online course before the semester starts so students can get familiar with technology and software features;
2. Add faculty to query access to get student contact information;
3. Provide reports for best, middle and low/challenging SLOs.

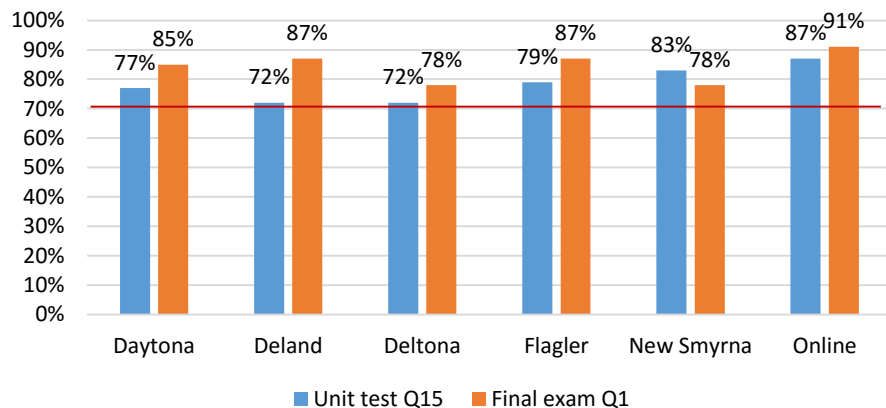
Course Assessment Data – MAC1140



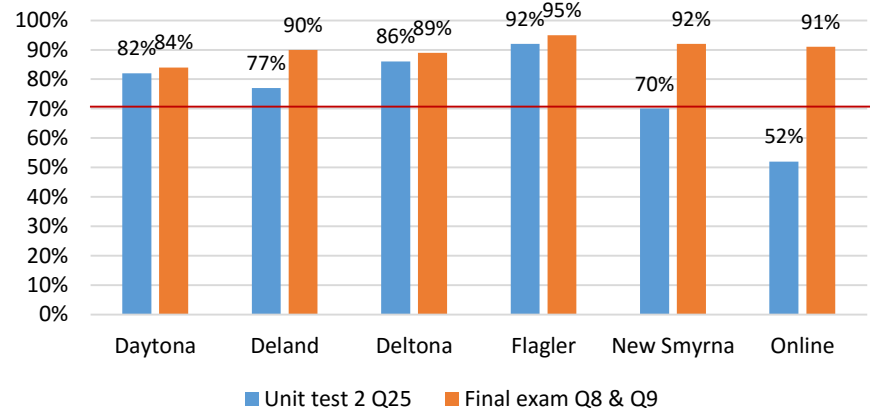
Target: 70% of the students achieve 70% competency for all assessment measure

Course Assessment Data – MAC1105

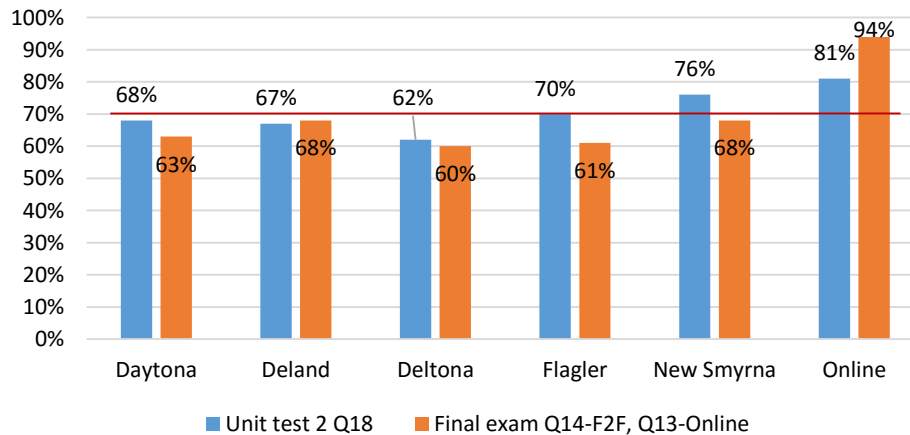
SLO1: Solve quadratic, radical, polynomial, and rational equations



SLO10: Identify the domain and range for a function using interval notation



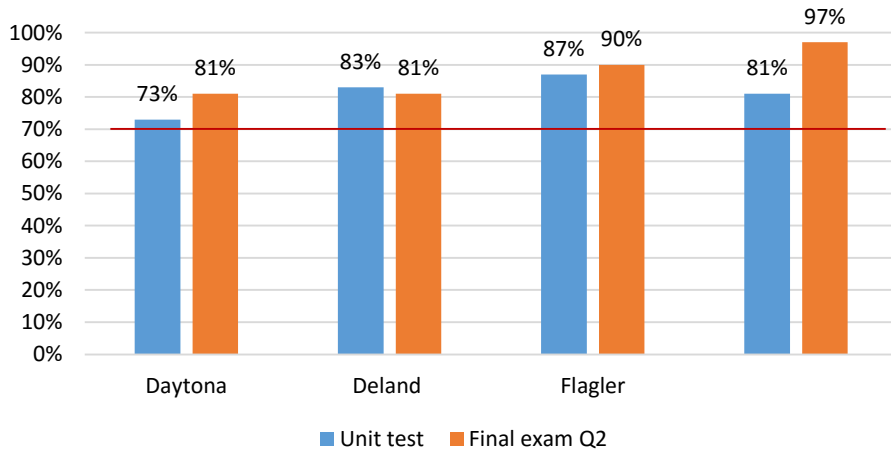
SLO9: Find the inverse of a function, including the domain and range



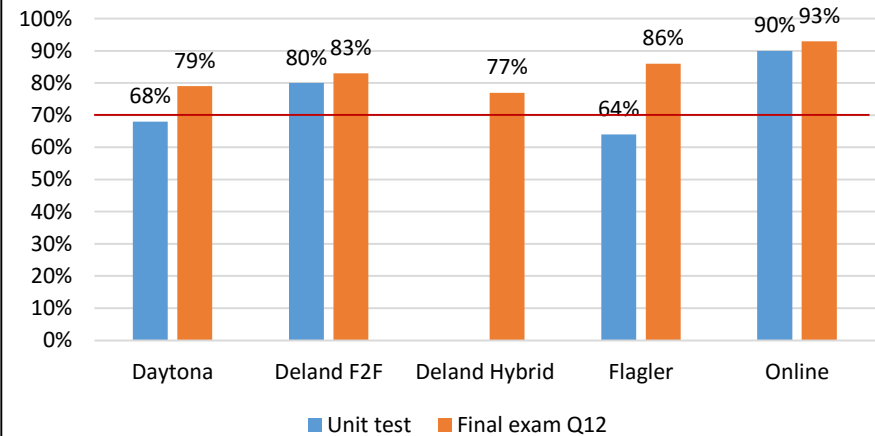
Target: 70% of the students achieve 70% competency for all assessment measure

Course Assessment Data – MAC1114

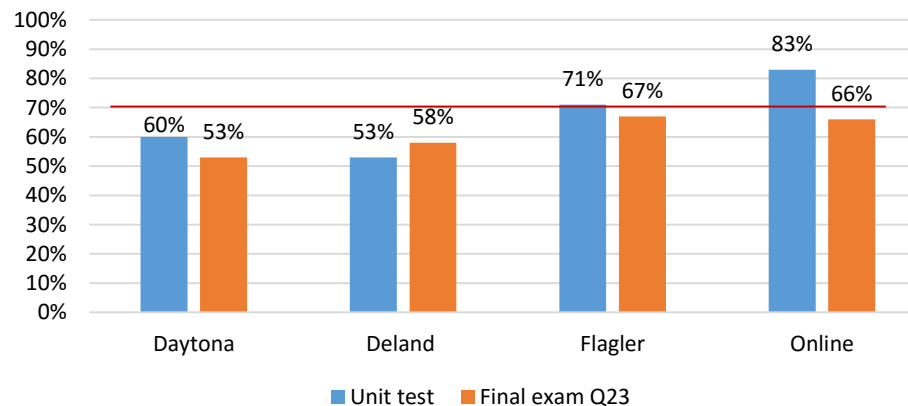
SLO2: Find coterminal angles and convert between radians and degrees



SLO11: Apply the sum and difference, double angle, and half angle identities



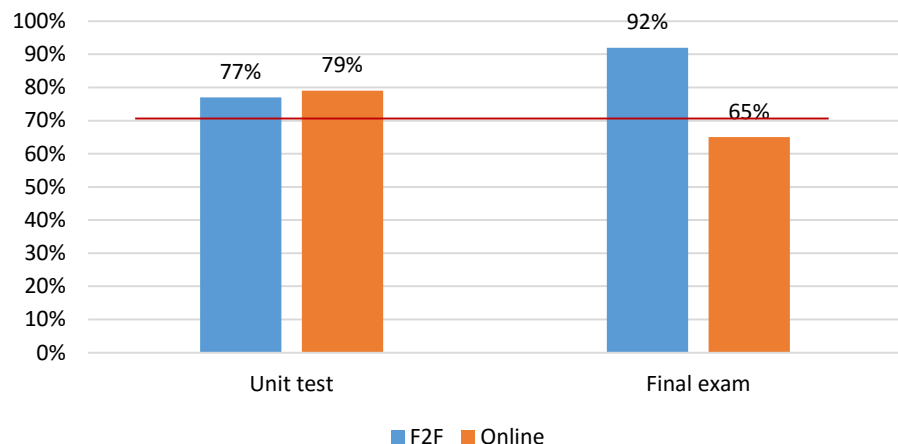
SLO12: Evaluate inverse trigonometric functions and compositions of trigonometric and inverse trigonometric functions



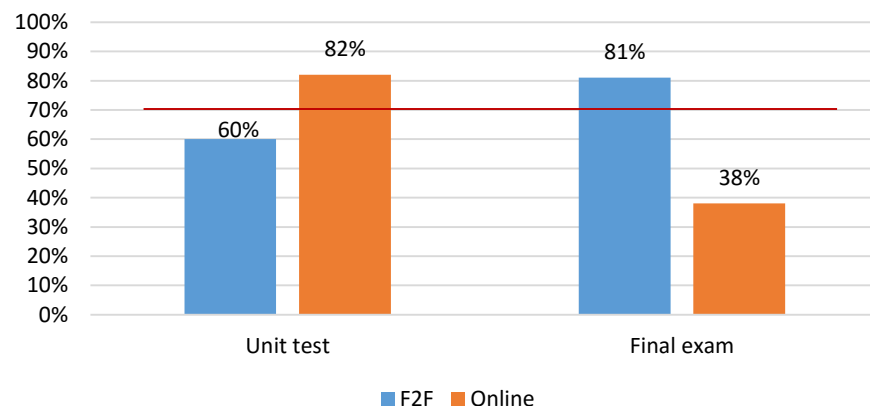
Target: 70% of the students achieve 70% competency for all assessment measure

Course Assessment Data – MAC2311

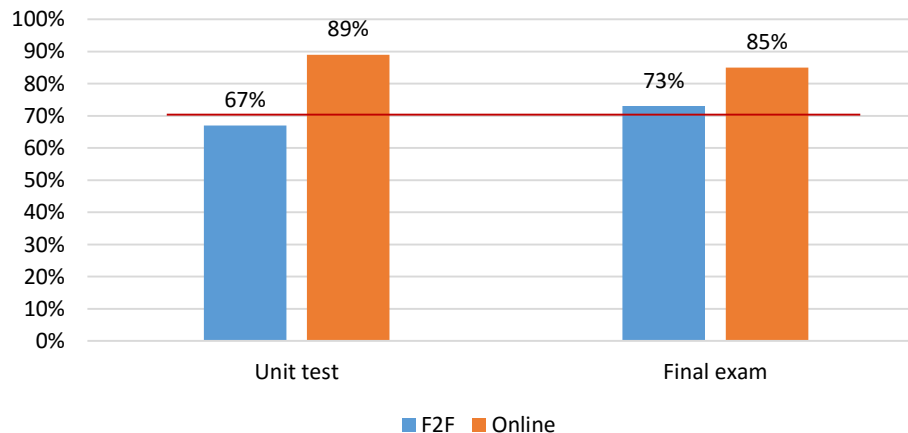
SLO3: Evaluate one and two-sided limits graphically



SLO13: Solve application problems involving, velocity and acceleration

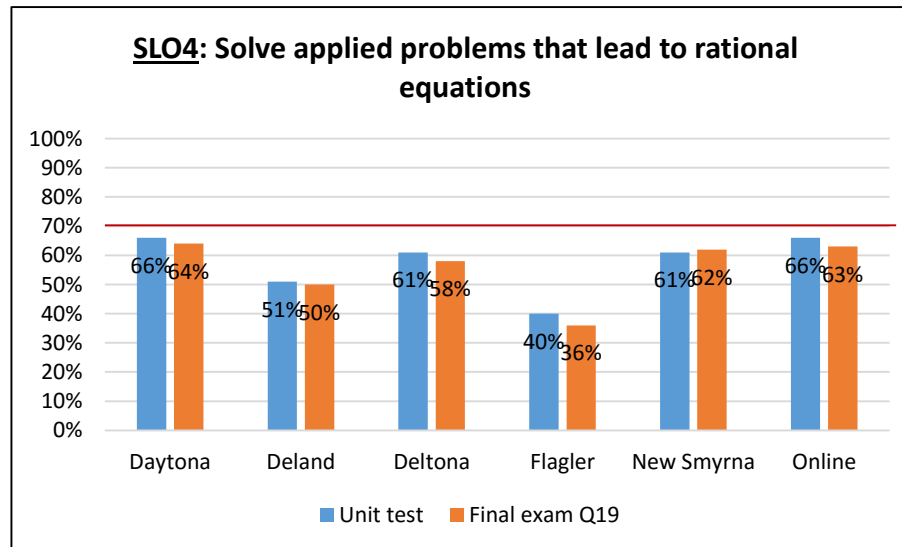
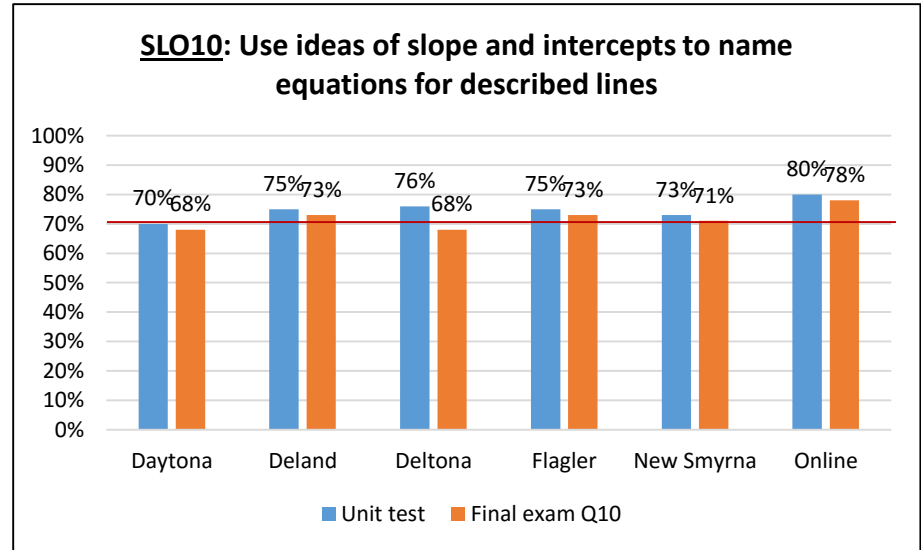
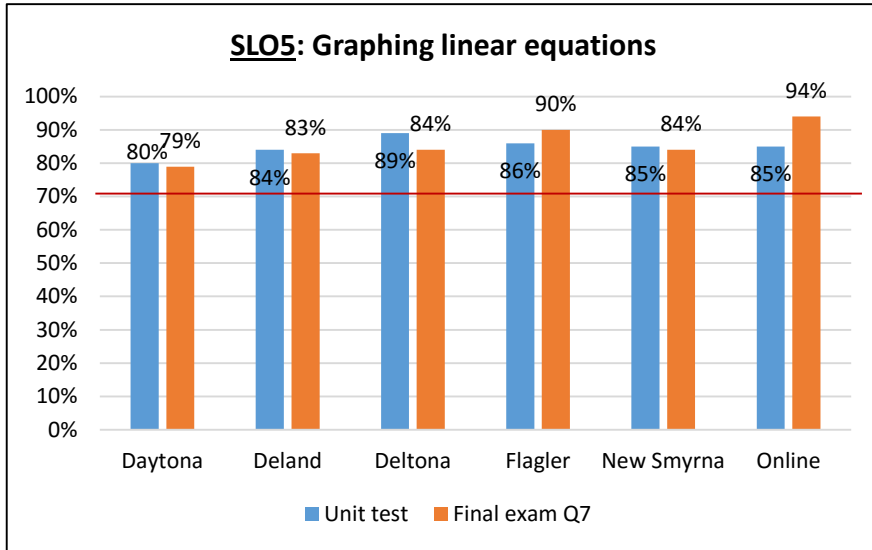


SLO8: Use the product and quotient rules of differentiation



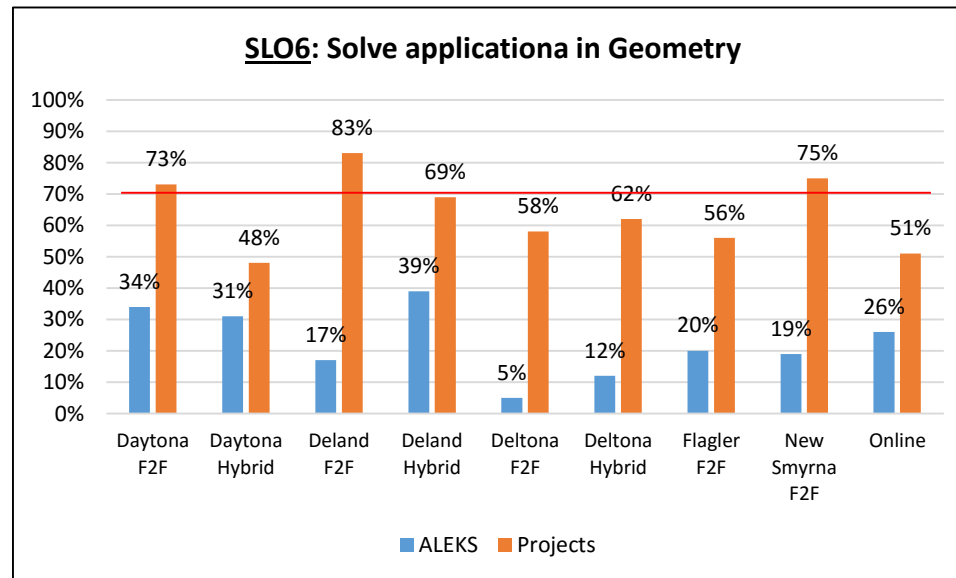
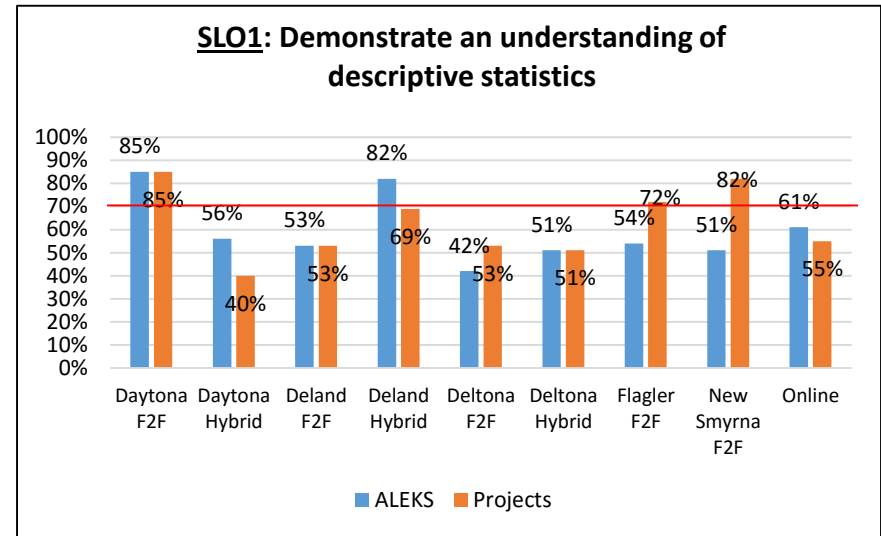
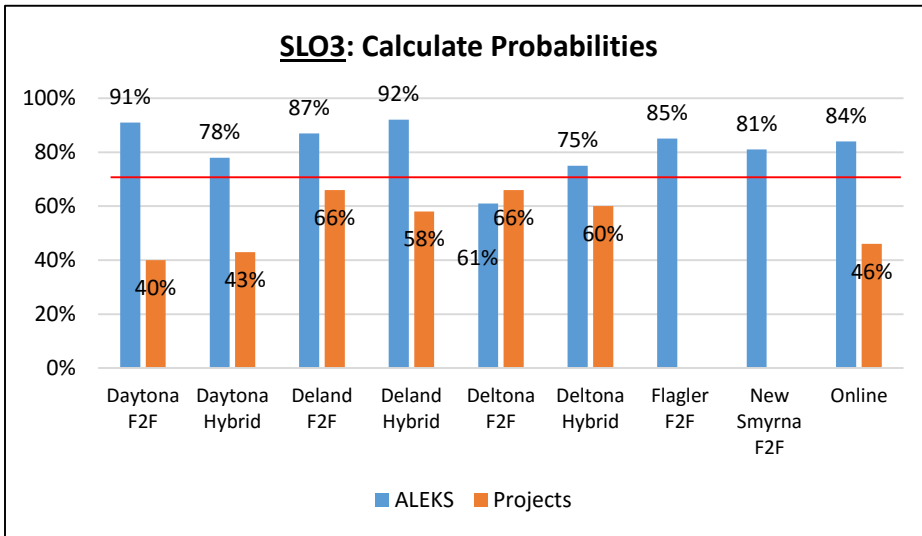
Target: 70% of the students achieve 70% competency for all assessment measure

Course Assessment Data – MAT1033



Target: 70% of the students achieve 70% competency for all assessment measure

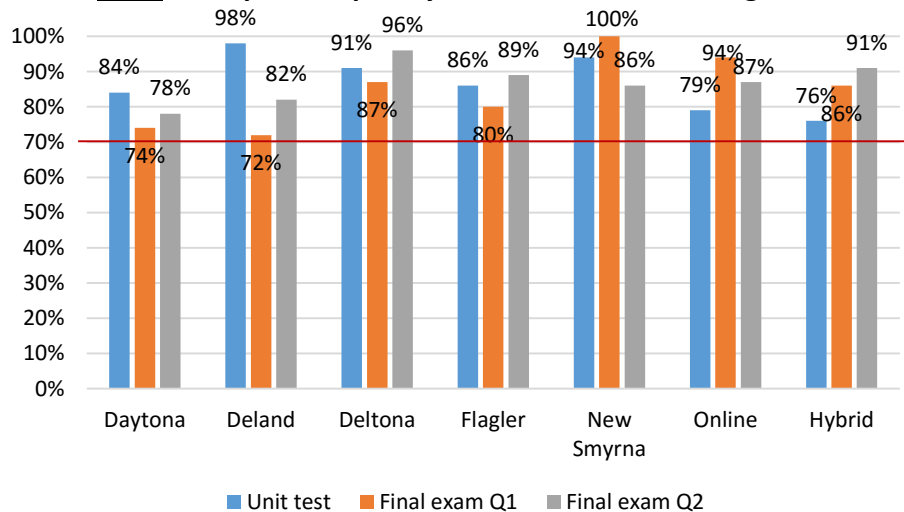
Course Assessment Data – MGF2106



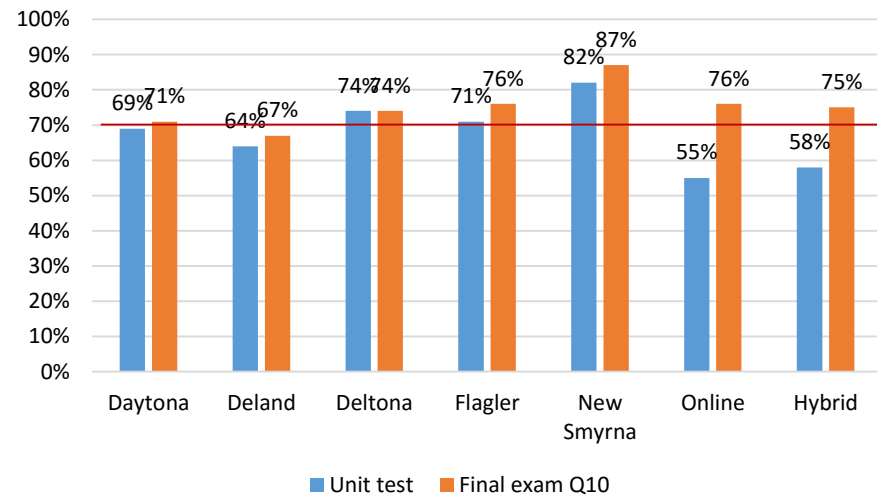
Target: 70% of the students achieve 70% competency for all assessment measure

Course Assessment Data – STA2023

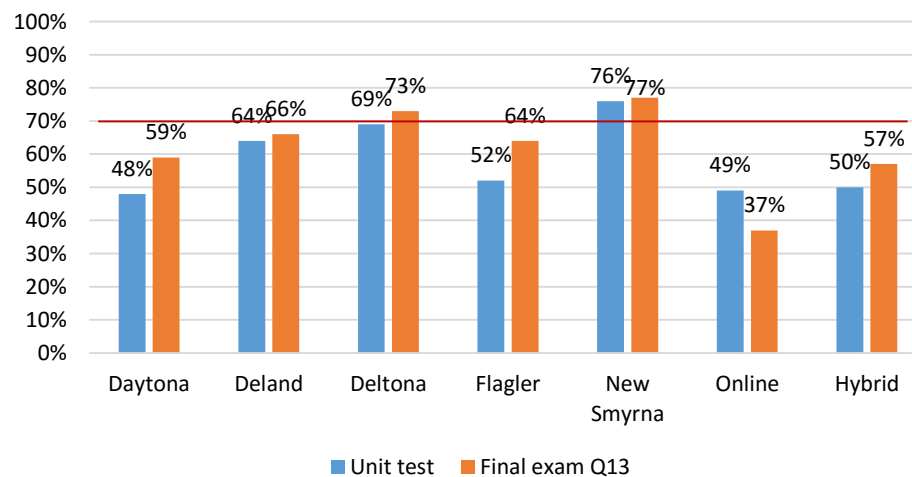
SLO1: Interpret frequency distributions and histograms



SLO5: Compute the odds in favor of an event



SLO7: Compute conditional probabilities



Course Success Rate (1 of 2)

Course	2013-2014		2014-2015		2015-2016		2016-2017	
	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
MAT0018	1,432	62%	718	64%	493	76%	393	69%
MAT0022	3	67%	6	67%	9	78%		
MAT0028C	2,928	57%	1,590	56%	1219	68%	799	65%
MAT0055L*							187	46%
MAT0056L			61	95%	83	94%	67	96%
MAT1033	3,674	52%	2,136	56%	1780	70%	1,729	67%
MAT1033A			398	47%	294	63%	194	57%
MAC1105	3,566	59%	2,957	60%	2787	68%	2,466	69%
MAC1114	641	61%	651	61%	666	69%	709	65%
MAC1140	707	63%	676	69%	660	74%	659	69%
STA2023	1,839	71%	1,786	75%	2,105	77%	2,116	75%
MGF2106	473	60%	2,086	65%	2,402	77%	2,176	76%
MGF2107	406	69%	497	72%	496	76%	603	65%
MAC2233	66	80%	84	73%	98	79%	86	72%
MAC2311C	258	52%	252	63%	260	69%	316	67%
MAC2312C	108	56%	110	65%	137	68%	142	72%
MAC2313C	49	61%	60	58%	73	64%	68	59%
MAD2104	11	91%						
MAP2302C	24	88%	34	68%	41	85%	44	89%

* This course is set as a separate course in PeopleSoft

■ Indicates a success rate of 90% or higher
■ Indicates a success rate between 70% and 89%
■ Indicates a success rate below 70%

Course Success Rate (2 of 2)

Course	2013-2014		2014-2015		2015-2016		2016-2017	
	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
MAS3105	6	83%	6	67%	10	70%	5	100%
MAS3301	4	100%	5	80%	1	100%	4	75%
MAP3401					13	62%		
MAS4203	8	63%	6	67%	5	20%	10	90%
MHF4404			10	80%	10	80%		
MTG4212	5	80%			5	100%	7	100%
STA4024	10	90%	5	100%	4	75%	5	80%
Total	8,181	63%	9,225	66%	13,945	72.01%	12,785	70%



■ Indicates a success rate of 90% or higher
■ Indicates a success rate between 70% and 89%
■ Indicates a success rate below 70%

Course Success Rate by Campus – Multiple Campuses Only (1 of 2)

Course	Campus	2013-2014		2014-2015		2015-2016		2016-2017		
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	
MAC1105	Daytona	1,355	57%	1,030	55%	1022	66%	880	68%	↑
	Deland	590	68%	412	70%	358	80%	309	79%	
	Deltona	205	56%	196	64%	161	73%	148	68%	↑
	Flagler/Palm Cst	288	38%	292	42%	269	66%	273	71%	
	New Smyrna Beach	236	78%	161	81%	168	89%	134	87%	
MAC1114	Daytona	288	61%	288	56%	244	63%	301	61%	
	Deland	111	59%	111	62%	114	66%	101	62%	
	Flagler/Palm Cst	36	39%	25	36%	39	56%	33	48%	
MAC1140	Daytona	342	55%	288	64%	311	69%	314	68%	
	Deland	142	58%	136	71%	116	75%	100	71%	
	Flagler/Palm Cst	37	68%	23	65%	23	70%	43	65%	
MAT0018C	Daytona	807	58%	379	61%	273	73%	197	63%	
	Deland	144	68%	56	66%	42	81%	57	81%	
	Deltona	228	60%	117	58%	89	76%	70	77%	↑
	Flagler/Palm Cst	175	69%	105	74%	48	81%	47	72%	
	New Smyrna Beach	78	72%	61	70%	41	85%	22	55%	
MAT0028C	Daytona	1,517	52%	843	54%	609	68%	317	60%	
	Deland	382	65%	172	61%	150	65%	161	75%	↑
	Deltona	394	56%	223	47%	185	66%	148	65%	
	Flagler/Palm Cst	414	64%	235	59%	193	67%	126	75%	↑
	New Smyrna Beach	221	65%	117	78%	82	70%	47	51%	

■ Indicates a success rate of 90% or higher
■ Indicates a success rate between 70% and 89%
■ Indicates a success rate below 70%

Excludes fully online courses

Source: IR Program Assessment Data

Course Success Rate by Campus – Multiple Campuses Only (2 of 2)

Course	Campus	2013-2014		2014-2015		2015-2016		2016-2017	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
MAT0055L	Daytona							113	42%
	Deland							34	47%
	Flagler/Palm Cst							26	42%
	New Smyrna Beach							14	86%
MAT0056L	Daytona			40	93%	41	95%	25	100%
	Deland			7	100%	8	88%	2	100%
	Deltona			11	100%	14	93%		
	Flagler/Palm Cst			3	100%	11	100%		
	New Smyrna Beach					9	89%	1	100%
MAT1033	Daytona	1,392	48%	764	55%	611	69%	601	66%
	Deland	504	65%	312	65%	237	77%	163	71%
	Deltona	250	52%	109	63%	108	74%	133	66%
	Flagler/Palm Cst	344	42%	206	34%	171	61%	193	55%
	New Smyrna Beach	197	75%	82	71%	92	82%	57	93%
MAT1033A	Daytona			211	47%	168	59%	119	53%
	Deland			70	36%	37	70%	35	49%
	Deltona			42	57%	16	81%		
	Flagler/Palm Cst			43	42%	39	56%	26	69%
	New Smyrna Beach			32	59%	34	74%	14	93%
MGF2106	Daytona	33	76%	583	64%	829	77%	767	73%
	Deland			79	81%	149	85%	170	82%
	Deltona					77	77%	113	78%
	Flagler/Palm Cst			96	66%	70	73%	45	76%
	New Smyrna Beach			64	73%	81	86%	70	79%
MGF2107	Daytona	25	88%	133	68%	130	84%	201	70%
	Flagler/Palm Cst			18	78%	27	74%	44	70%
STA2023	Daytona	675	72%	517	73%	615	77%	630	77%
	Deland	317	83%	267	85%	261	90%	252	82%
	Deltona	74	69%	71	86%	86	73%	70	86%
	Flagler/Palm Cst	87	79%	91	79%	98	78%	101	79%
	New Smyrna Beach	153	81%	148	93%	129	91%	112	94%

■ Indicates a success rate of 90% or higher
■ Indicates a success rate between 70% and 89%
■ Indicates a success rate below 70%

Excludes fully online courses

Source: IR Program Assessment Data

School Course Success Rate by Campus – Overall

Campus	2016-2017	
	Attempted	% Successful
Daytona	5,025	68%
Deland	1,384	75%
Deltona	682	71%
Flagler/Palm Cst	957	68%
New Smyrna Beach	471	83%
Total	8,519	70%

■ Indicates a success rate of 90% or higher
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■ Indicates a success rate below 70%

Course Success Rate By Instructional Method – Multiple Methods Only

Course	IM	2013-2014		2014-2015		2015-2016		2016-2017	
		Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
MAC1105	Hybrid					75	71%	153	69%
	Lecture	2,674	59%	2,091	59%	1,903	71%	1,591	72%
	Online	892	57%	866	61%	809	62%	722	62%
MAC1114	Hybrid					33	42%		
	Lecture	435	59%	424	56%	364	65%	435	60%
	Online	206	67%	227	70%	269	78%	274	72%
MAC1140	Lecture	521	57%	447	66%	450	70%	457	68%
	Online	186	81%	229	75%	210	80%	202	73%
MAC2233	Lecture	22	77%	32	75%	41	83%	36	72%
	Online	44	82%	52	71%	57	75%	50	72%
MAC2311C	Lecture							239	67%
	Online							77	68%
MAT0056L	Lecture							28	100%
	Online							39	92%
MAT1033	Lecture	2,687	53%	1,473	56%	1,219	71%	1,147	66%
	Online	987	51%	663	57%	561	68%	582	67%
MGF2106	Hybrid					325	74%	725	73%
	Lecture	33	76%	822	67%	881	80%	440	79%
	Online	440	59%	1,264	64%	1,196	75%	1,011	76%
MGF2107	Lecture	25	88%	151	69%	157	82%	245	70%
	Online	381	67%	346	74%	339	73%	358	61%
STA2023	Hybrid							102	72%
	Lecture	1,306	76%	1,094	80%	1,189	81%	1,063	81%
	Online	533	60%	692	68%	916	71%	951	69%
DSC	Hybrid		82%		84%		82%		81%
	Lecture		77%		78%		80%		81%
	Online		75%		76%		78%		76%

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 Indicates a success rate between 70% and 89%
 Indicates a success rate below 70%

School Course Success Rate by Instructional Method – Overall

Campus	2016-2017	
	Attempted	% Successful
Online	4,266	69%
Lecture	7,539	70%
Hybrid	980	72%
Total	12,785	70%

■ Indicates a success rate of 90% or higher
■ Indicates a success rate between 70% and 89%
■ Indicates a success rate below 70%

Course Success Rates- Multiple Sessions or Sub-sessions Only (1 of 3)

Course	Session	Sub-session	2013-2014		2014-2015		2015-2016		2016-2017	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
MAC1105	FA	A term	54	87%	50	82%	49	84%	106	73%
		B term					52	44%	89	56%
		Full term	1,643	57%	1,318	56%	1,165	71%	977	72%
	SP	A term	83	69%	55	82%	133	77%	109	81%
		B term	17	82%	37	54%	73	56%	63	59%
		Full term	1,293	55%	1,106	59%	949	62%	819	66%
SU	Full term	476	69%	391	70%	366	74%	303	69%	
MAC1114	FA	Full term	242	55%	262	53%	246	70%	267	63%
	SP	Full term	289	62%	271	65%	279	68%	304	62%
	SU	Full term	110	74%	118	70%	141	71%	138	75%
MAC1140	FA	Full term	305	61%	291	62%	237	75%	283	69%
	SP	Full term	316	64%	273	72%	298	69%	259	68%
	SU	Full term	86	72%	112	83%	125	82%	117	76%
MAC2233	FA	Full term	20	80%	25	76%	36	72%	32	78%
	SP	Full term	26	92%	40	73%	39	85%	27	67%
	SU	Full term	20	65%	19	68%	23	78%	27	70%
MAC2311C	FA	Full term	113	51%	119	62%	118	74%	131	60%
	SP	Full term	94	55%	91	63%	100	60%	112	76%
	SU	Full term	51	49%	42	64%	42	79%	73	68%
MAC2312C	FA	Full term	40	65%	38	58%	40	70%	55	76%
	SP	Full term	40	50%	53	62%	69	62%	53	58%
	SU	Full term	28	50%	19	89%	28	79%	34	85%
MAC2313C	FA	Full term	23	52%	20	50%	30	73%	20	50%
	SP	Full term	13	69%	20	70%	20	40%	28	57%
	SU	Full term	13	69%	20	55%	23	74%	20	70%
MAP2302C	FA	Full term	15	80%	16	56%	20	80%	23	87%
	SP	Full term	9	100%	18	78%	21	90%	21	90%
	SU	Full term								

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Course Success Rates- Multiple Sessions or Sub-sessions Only (2 of 3)

Course	Session	Subsession	2013-2014		2014-2015		2015-2016		2016-2017			
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful		
MAT0018C	FA	A term	349	68%	160	72%	129	80%	111	68%	↑	
		B term	158	54%	61	49%	26	73%	18	83%		
		Full term	220	58%	145	53%	107	73%	71	66%		
	SP	A term	288	61%	126	69%	58	81%	44	70%		
		B term	57	51%	31	68%	30	67%	20	65%		
		Full term	177	58%	96	64%	81	69%	64	67%		
	SU	Full term	183	67%	99	69%	62	84%	65	69%		
MAT0022	FA	Full term			2	50%						
		SP	Full term	3	67%	3	67%					
		SU	Full term			1	100%	9	78%			
MAT0028C	FA	A term	508	64%	229	55%	199	73%	97	69%	↑	
		B term	455	54%	240	50%	226	69%	130	61%		
		Full term	512	55%	334	51%	257	67%	203	63%		
	SP	A term	330	58%	151	58%	65	71%	26	69%		
		B term	318	57%	159	67%	110	72%	68	63%		
		Full term	393	45%	232	58%	210	66%	137	64%		
	SU	Full term	412	64%	245	60%	152	57%	138	74%		
MAT0055L	FA	Full term							131	60%	↑	
		SP	Full term						56	14%		
MAT0056L	FA	Full term			28	93%	47	96%	39	92%	↑	
		SP	Full term			33	97%	35	91%	19		100%
		SU	Full term					1	100%	9		100%
MAT1033	FA	A term	35	71%			27	85%	87	83%	↑	
		B term	95	64%	50	58%	106	62%	145	63%		
		Full term	1,570	50%	1,037	57%	853	73%	692	66%		
	SP	A term	32	66%	15	80%	35	69%	79	77%		
		B term	105	49%	13	69%	57	67%	47	53%		
		Full term	1,407	51%	694	53%	487	64%	478	62%		
	SU	Full term	430	63%	327	59%	215	73%	201	76%		




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Indicates a success rate between 70% and 89%

Indicates a success rate below 70%

Course Success Rates- Multiple Sessions or Sub-sessions Only (3 of 3)

Course	Session	Sub-session	2013-2014		2014-2015		2015-2016		2016-2017	
			Attempted	% Successful	Attempted	% Successful	Attempted	% Successful	Attempted	% Successful
MAT1033A	FA	Full term			276	46%	217	65%	138	59%
	SP	Full term			122	48%	77	56%	56	52%
MGF2106		A term					30	90%	30	80%
	FA	B term			19	74%	275	73%	179	71%
		Full term	164	57%	1,014	59%	819	79%	907	76%
		A term					36	89%	639	73%
		B term			32	63%	146	75%	50	76%
	SP	Full term	193	62%	914	72%	829	74%	105	70%
	SU	Full term	116	61%	107	67%	267	82%	266	84%
MGF2107	FA	Full term	154	65%	224	67%	208	81%	260	63%
	SP	Full term	167	71%	200	75%	203	70%	231	65%
	SU	Full term	85	72%	73	82%	85	75%	69	75%
STA2023		A term							88	80%
	FA	B term	47	79%	37	92%	112	82%	72	61%
		Full term	674	67%	628	76%	705	77%	624	72%
		A term	13	69%	22	86%	104	87%	97	93%
	SP	B term	73	77%	100	87%	51	57%	93	66%
		Full term	677	73%	711	73%	752	74%	732	76%
	SU	Full term	355	74%	288	73%	381	80%	410	78%

 Indicates a success rate of 90% or higher
 Indicates a success rate between 70% and 89%
 Indicates a success rate below 70%

Years are reporting years, SU-SP.

Blank cells or missing years indicate no enrollment.

Source: IR Program Assessment Data

School Course Success Rate by Session or Sub-session – Overall

Session	Sub-session	2016-2017	
		Attempted	% Successful
Fall	A term	519	74%
	B Term	667	63%
	Full term	4,833	70%
Spring	A term	405	80%
	B Term	439	63%
	Full term	4,045	68%
Summer	All term	1,877	76%
Total		12,785	70%

■ Indicates a success rate of 90% or higher
■ Indicates a success rate between 70% and 89%
■ Indicates a success rate below 70%

Grade Distribution

Course	2016-2017 (SU16, FA16, SP17)					
	Pass (A, B, C)	Fail (D, F)	FNs	Ws	W1s	Incs
MAT0018C	270	65	28	13	12	0
MAT0028C	523	184	43	30	15	0
MAT0055L	86	35	12	23	4	0
MAT0056L	64	0	0	3	0	0
MAT1033	1,150	277	122	145	37	0
MAT1033A	111	40	14	25	4	0
MAC1105	1,700	379	124	225	37	0
MAC1114	459	90	37	107	15	0
MAC1140	458	92	23	76	9	0
STA2023	1,590	263	66	172	23	0
MGF2106	1,645	280	115	83	42	0
MGF2107	389	106	41	53	14	0
MAC2233	62	12	6	6	0	0
MAC2311C	213	43	12	45	3	0
MAC2312C	102	29	4	7	0	0
MAC2313C	40	16	3	7	2	0
MAP2302C	39	4	1	0	0	0
MAS3105	5	0	0	0	0	0
MAS3301	3	1	0	0	0	0
MAS4203	9	2	0	0	0	0
MTG4212	7	0	0	0	0	0
STA4024	4	0	0	1	0	0
Total	8,929 (70%)	1,918 (15%)	651 (5%)	1,021 (8%)	217 (2%)	0

Grade Distribution by Term (1 of 3)

Term	Course	P	A	B+	B	C+	C	D+	D	F	FN	W	W1	Grand Total	
Summer 2016	MAC1105		60	37	53	23	36		18	33	17	26		303	
	MAC1114		36	16	28	8	15		5	9	5	15		137	
	MAC1140		27	13	23	6	20		5	8	4	11		117	
	MAC2233		3	3	6	3	4		1	3	3	1		27	
	MAC2311		6	12	12	7	13		6	8	2	7		73	
	MAC2312		6	2	6	4	11		1	1	2	1		34	
	MAC2313		2	1	2	5	4		2	3		1		20	
	MAT0018		6	7	10	3	19		5	2	7	2		61	
	MAT0028		38	11	24	2	27		11	11	7	5		136	
	MAT0056L	9													9
	MAT1033		65	21	39	11	16		5	17	16	11		201	
	MGF2106		72	21	71	19	41		7	9	11	5		256	
	MGF2107		15	6	10	4	17		1	10	1	5		69	
	MTG4212		4		3										7
	STA2023		118	44	81	23	54	1	18	26	17	27		409	
Total		9	516	227	422	139	351	1	110	165	110	133		2183	

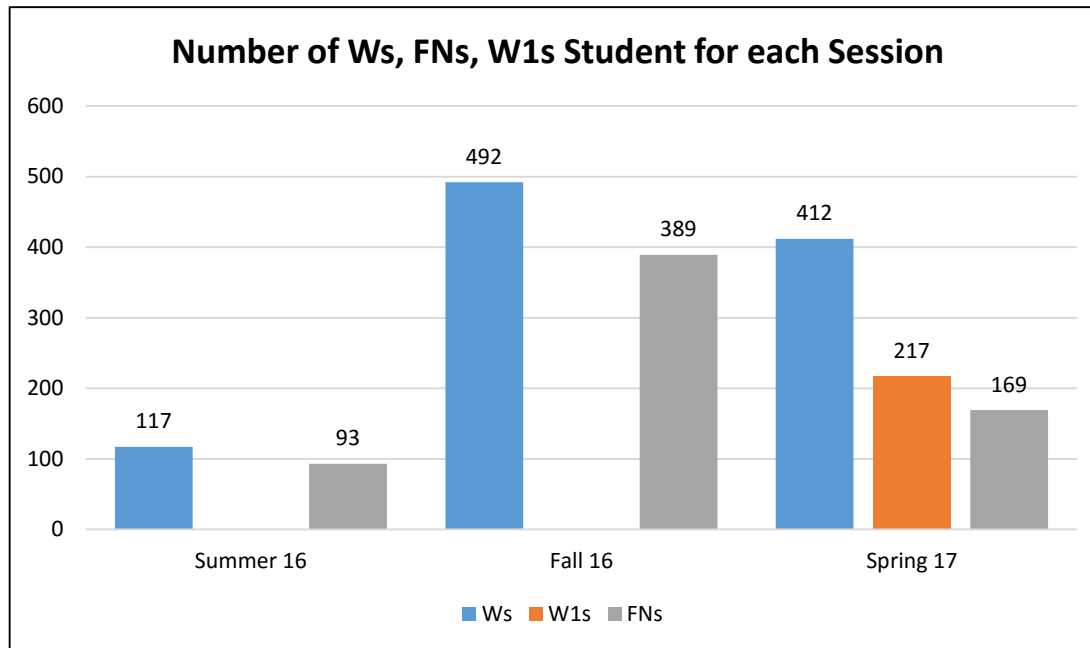
Grade Distribution by Term (2 of 3)

Term	Course	P	A	B+	B	C+	C	D+	D	F	FN	W	W1	Grand Total	
Fall 2016	MAC1105		292	105	184	88	159	1	61	103	73	103		1169	
	MAC1114		42	23	46	22	35		13	25	19	42		267	
	MAC1140		61	18	50	23	42		14	28	13	34		283	
	MAC2233		6	4	7	1	7		1	1	2	3		32	
	MAC2311C		26	12	15	9	16		5	12	8	28		131	
	MAC2312C		9	4	15	9	5		7	5		1		55	
	MAC2313C		2	1	5	1	1		3	3	1	3		20	
	MAP2302C		15	1	2	1	1			3				23	
	MAS3301		1				2			1				4	
	MAS4203		3		2		4			2				11	
	MAT0018C		53	17	36	3	29		8	33	16	4		199	
	MAT0028C		60	41	53	8	111	2	27	85	23	18		428	
	MAT0055L		28	7	21	3	19		13	16	11	12		130	
	MAT0056L	36											3		39
	MAT1033		213	90	156	55	104		48	100	77	81		924	
	MAT1033A		30	7	22	3	20		12	16	13	14		137	
	MGF2106		265	107	205	83	183		79	74	75	45		1116	
	MGF2107		46	33	33	15	36		14	32	24	27		260	
	STA2023		177	90	137	61	98	1	47	66	34	73		784	
	Total		36	1329	560	989	385	872	4	352	605	389	491		6012

Grade Distribution by Term (3 of 3)

Term	Course	P	A	B+	B	C+	C	D+	D	F	FN	W	W1	Grand Total	
Spring 2017	MAC1105		199	94	164	79	128	1	70	91	31	96	36	989	
	MAC1114		52	29	50	24	33		18	20	13	50	15	304	
	MAC1140		48	26	47	24	30		19	18	6	31	9	258	
	MAC2233		2	3	6	4	3		3	3	1	2		27	
	MAC2311C		30	12	24	9	10		7	4	2	11	3	112	
	MAC2312C		7	3	6	8	7		6	9	2	5		53	
	MAC2313C		3		3	5	5		2	3	2	3	2	28	
	MAP2302C		11	1	3	2	2			1	1			21	
	MAS3105		2	1	2										5
	MAT0018C		29	19	19	2	18		5	12	5	7	11	127	
	MAT0028C		31	29	34	3	51	2	10	36	13	7	15	231	
	MAT0055L		2	2	6	3	2		2	3	2	11	4	37	
	MAT0056L	19													19
	MAT1033		133	40	101	38	68	1	34	71	29	53	37	605	
	MAT1033A		5	2	10	6	6		2	9	1	11	4	56	
	MGF2106		197	64	142	56	120		59	52	29	34	41	794	
	MGF2107		35	17	42	29	51		19	30	16	21	13	273	
	STA2023		228	113	173	82	111		42	62	15	72	22	920	
STA4024		1		1	1	1					1		5		
Total		19	1015	455	833	375	646	4	298	424	168	415	212	4864	

Ws, FNs, W1s vs. Session



Session	Ws	W1s	FNs
Summer 16	117	0	93
MAC	62	0	34
MAT	18	0	30
MGF	10	0	12
MTG	0	0	0
STA	27	0	17
Fall 16	492	0	389
MAC	215	0	116
MAP	0	0	0
MAS	0	0	0
MAT	132	0	140
MGF	72	0	99
STA	73	0	34
Spring 17	412	217	169
MAC	196	66	59
MAP	0	0	1
MAS	0	0	0
MAT	89	72	49
MGF	54	56	45
STA	73	23	15
Total	1021	217	651

Ws, FNs, W1s vs. Session and Instructional Method

Session & Courses	Ws			W1s			FNs			Total Ws	Total W1s	Total FNs
	ON	P	WE	ON	P	WE	ON	P	WE			
Summer 16	71	46		0	0		58	35		117	0	93
MAC	38	24		0	0		20	14		62	0	34
MAT	5	13		0	0		12	18		18	0	30
MGF	8	2		0	0		12	0		10	0	12
MTG		0			0			0		0	0	0
STA	20	7		0	0		14	3		27	0	17
Fall 16	168	300	24	0	0	0	135	218	36	492	0	389
MAC	66	148	1	0	0	0	42	70	4	215	0	116
MAP		0			0			0		0	0	0
MAS		0			0			0		0	0	0
MAT	24	108		0	0		34	106		132	0	140
MGF	38	11	23	0	0	0	40	27	32	72	0	99
STA	40	33		0	0		19	15		73	0	34
Spring 17	150	224	38	108	87	22	59	95	15	412	217	169
MAC	59	126	11	32	31	3	16	43	0	196	66	59
MAP		0			0			1		0	0	1
MAS		0			0			0		0	0	0
MAT	21	68		25	47		11	38		89	72	49
MGF	34	4	16	34	5	17	26	7	12	54	56	45
STA	36	26	11	17	4	2	6	6	3	73	23	15
Grand Total	389(38.1%)	570(55.8%)	62(6.1%)	108(49.8%)	87(40.1%)	22(10.1%)	252(38.7%)	348(53.5%)	51(7.8%)	1021	217	651

High Enrolled Courses Success Rate vs. Race/Ethnicity (1 of 2)

Course.	Race/Ethnicity	Sex	A	B	B+	C	C+	D	D+	F	FN	W	W1	Total	% Successful
MAC1105	Am. Ind	F				1					2	1	1	5	20%
	Asian	F	13	5	3	2	1	2		5		6		37	65%
		M	10	4	3	5	2			2	1	1	1	29	83%
	Black	F	17	16	7	24	16	14		24	7	9	4	138	58%
		M	15	11	8	15	13	9		19	3	10	3	106	58%
	Hawaii/Pac	M	3		1					1		1		6	67%
	Hispanic	F	50	31	18	29	19	17	2	19	13	17	5	220	67%
		M	34	35	12	31	16	14		24	11	16	2	196	66%
	Two or More Races	F	8	5	6	5	1	6		5		2	1	39	64%
		M	7	11	3	3	4	3		3	6	7		47	60%
White	F	225	152	93	92	60	37		70	47	90	10	876	71%	
	M	151	124	73	108	54	40		48	28	61	7	694	73%	
MAT1033	Am. Ind	F			1	1				1				3	67%
		M								1				1	0%
	Asian	F	10	2	1	1	1	2		1	2	2		22	68%
		M	3	6		2	1	1		2				15	80%
	Black	F	20	23	17	20	5	17		19	15	12	8	156	54%
		M	8	16	2	19	5	9		18	12	12	4	105	48%
	Hawaii/Pac	F	1			1								2	100%
		M									1			1	0%
	Hispanic	F	40	27	17	15	11	6		17	9	16	2	160	69%
		M	24	25	7	11	7	5		18	14	11	2	124	60%
	Two or More Races	F	12	4	2	6	3	1		3	2	2	1	36	75%
		M	5	4	2	1	3	3		3	1		2	24	63%
White	F	168	97	59	61	33	21		50	26	51	10	576	73%	
	M	108	85	39	44	31	19	1	51	38	33	7	456	67%	

High Enrolled Courses Success Rate vs. Race/Ethnicity (2 of 2)

Course.	Race/Ethnicity	Sex	A	B	B+	C	C+	D	D+	F	FN	W	W1	Total	% Successful
MGF2106	Am. Ind	F	1			1	2								100%
		M						1							0%
	Asian	F	13	4	2	2	2	1					2		88%
		M	2			2	1								100%
	Black	F	33	53	25	44	16	19			27	14	15	6	68%
		M	13	17	5	21	5	10			13	4	3	4	64%
	Hawaii/Pac	M				1				1					50%
	Hispanic	F	54	38	15	59	16	18			15	16	13	6	73%
		M	25	24	14	21	12	12			6	14	4	6	70%
	Two or More Races	F	12	14	4	6	2	4			3	2	1		79%
		M	2	6		4	2				1	4	3	2	58%
	White	F	264	174	87	113	63	50			46	31	32	12	80%
M		103	81	36	65	36	25			21	27	8	5	79%	
STA2023	Am. Ind	F	2	1								1			75%
		M										1			0%
	Asian	F	15	2	2	4	3						3		90%
		M	5	3	3	1					2	1	1		75%
	Black	F	33	26	22	35	20	9			28	6	21	1	68%
		M	13	8	7	9	4	6			9	6	9	1	57%
	Hawaii/Pac	F			1	1	1								100%
		M	1				1				2				50%
	Hispanic	F	47	44	23	25	18	7			13	6	21	3	76%
		M	31	21	8	17	10	9			10	5	9	3	71%
	Two or More Races	F	10	10	8	2	6	2			3	2	1	1	80%
		M	4	5	1	3		1			3		2		68%
White	F	228	150	92	104	58	43	2		43	20	74	6	77%	
	M	118	107	72	51	39	24			37	19	26	6	78%	

Course Success Rates for Guaranteed Sections

Course	2016-2017		Overall
	Attempted	% Successful	
MAC1105	60	85%	69%
MAT1033	80	66%	67%
MGF2106	117	69%	76%
STA2023	63	97%	75%
Total	320	77%	

■ Indicates a success rate of 90% or higher
■ Indicates a success rate between 70% and 89%
■ Indicates a success rate below 70%

Average Class Size by Course

Course	2013-2014		2014-2015		2015-2016		2016-2017	
	Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
MAT0018	72	20	45	16	28	18	27	15
MAT0022	1	3	3	2	1	9		
MAT0028C	124	24	84	19	61	20	46	17
MAT0055L							9	21
MAT0056L							5	13
MAT1033	144	26	88	24	74	24	67	26
MAT1033A			16	25	12	25	9	22
MAC1105	127	28	106	28	97	29	97	25
MAC1114	26	25	23	28	22	30	23	31
MAC1140	26	27	23	29	23	29	23	29
STA2023	73	25	61	29	66	32	78	27
MGF2106	18	26	70	30	85	28	80	27
MGF2107	13	31	15	33	17	29	18	34
MAC2233	5	13	5	17	5	20	5	17
MAC2311C	10	26	10	25	10	26	12	26
MAC2312C	5	22	5	22	4	34	6	24
MAC2313C	3	16	3	20	3	24	3	23
MAP2302C	2	12	3	11	2	21	2	22
MAS3105	1	6	1	6	1	10	1	5
MAS3301	1	4	1	5			1	4
MAS4203	1	8	1	6	1	5		
MHF4404			1	10	1	10		
MTG4212	1	5			1	5	1	7
STA4024	1	10	1	5	1	4	1	5
Total	655	25	589	25	516	26	515	25

Blank cells or missing years indicate no enrollment.

To prevent data from skewing, the following instructional methods are excluded: Labs associated with lectures, Private/Performance, OJT, Clinicals, Co-op, DIS, Field trips and Internship

Course	Instructional Method	2013-2014		2014-2015		2015-2016		2016-2017	
		Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
MAC1105	Lecture	92	29	73	29	63	30	63	25
	Hybrid			3		3	25	6	26
	Online	35	25	33	26	31	26	28	26
MAC1114	Lecture	18	24	16	27	13	28	14	31
	Hybrid					1	33		
	Online	8	26	7	32	8	34	9	30
MAC1140	Lecture	19	27	15	30	15	30	15	30
	Online	7	27	8	29	8	26	8	25
MAC2233	Lecture	2	11	2	16	2	21	2	18
	Online	3	15	3	17	3	19	3	17
MAC2311C	Lecture							9	27
	Online							3	26
MAT1033	Lecture	104	26	59	25	52	23	46	25
	Online	40	25	29	23	22	26	21	28
MAT0056L	Lecture							4	7
	Online							1	39
MGF2106	Lecture	1	33	27	30	28	31	18	24
	Hybrid					12	27	24	30
	Online	17	26	43	29	45	27	38	27
MGF2107	Lecture	1	25	5	30	6	26	8	31
	Online	12	32	10	35	11	31	10	36
STA2023	Lecture	51	26	38	29	39	30	41	26
	Hybrid							4	26
	Online	22	24	23	30	27	34	33	29

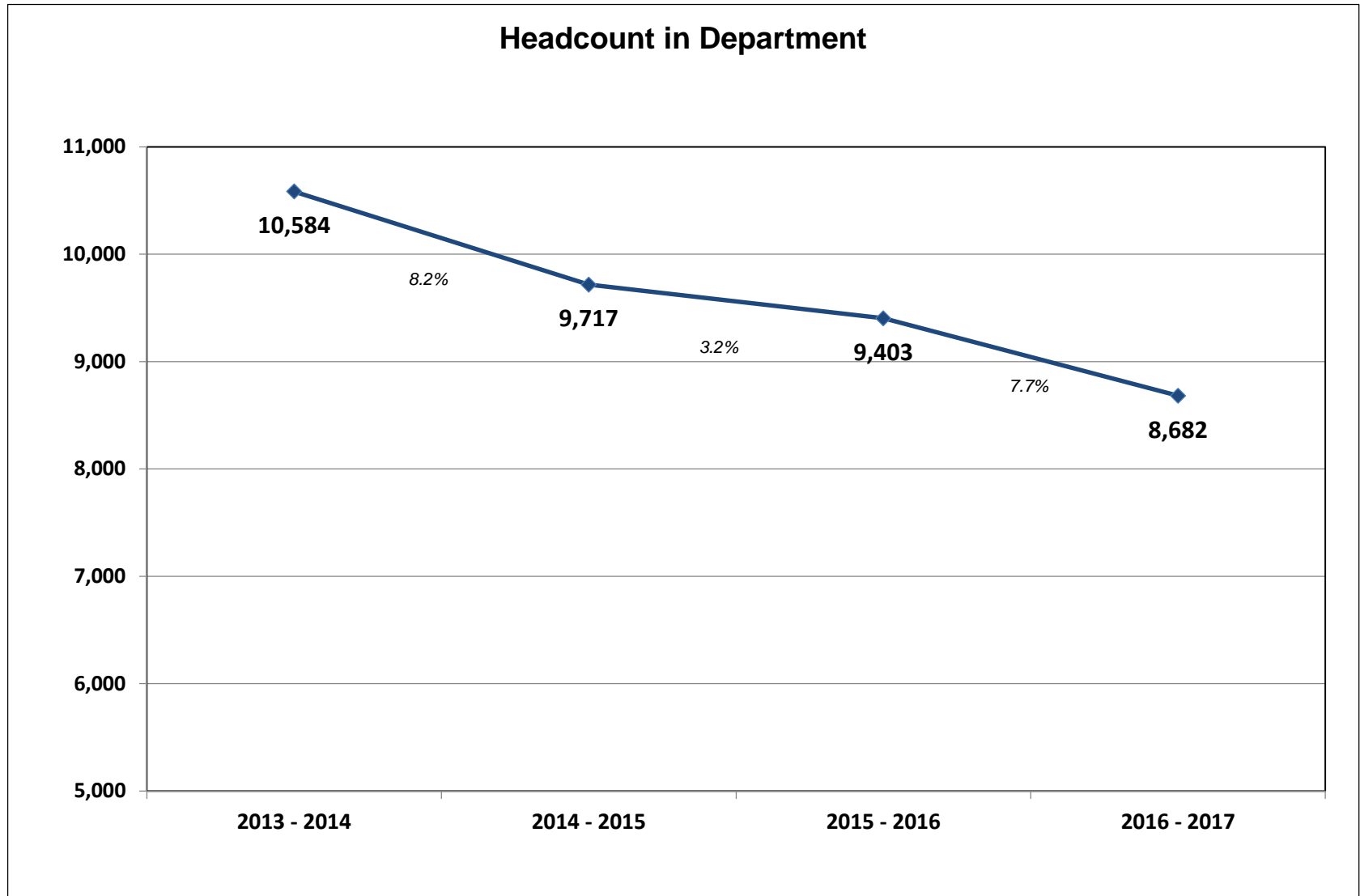
College Total

Instructional Method	2013-2014 Avg. Size	2014-2015 Avg. Size	2015-2016 Avg. Size	2016-2017 Avg. Size
Hybrid	22	22	21	23
Lecture	23	22	22	21
Online	28	29	30	30

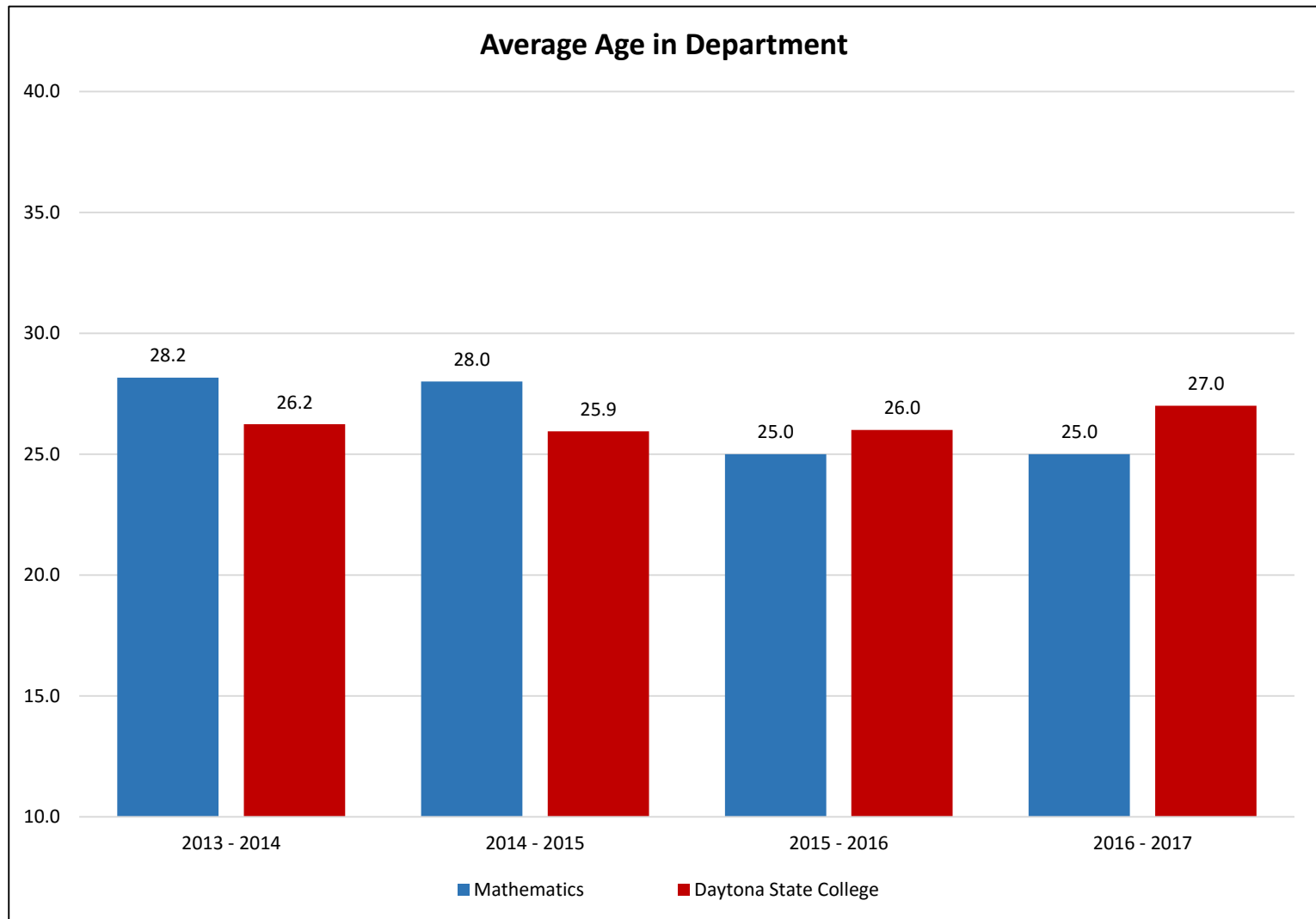
To prevent data from skewing, the following instructional methods are excluded: labs associated with lectures, Private/Performance, OJT, clinicals, co-op, DIS, field trips and internships.

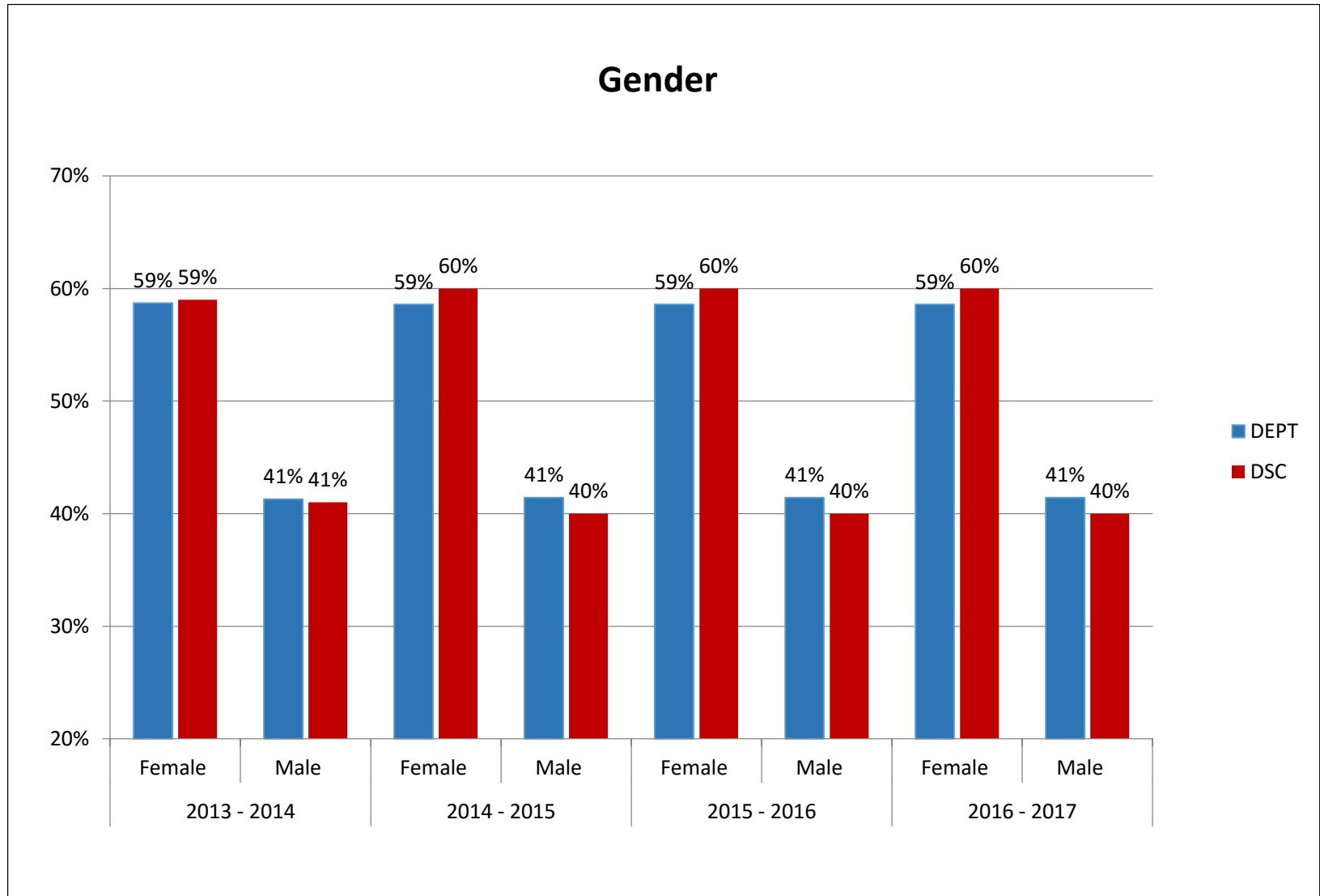
Overall Average Class Size by Instructional Methods

Department and Instructional Method		2016-2017	
		Sections	Avg. Size
School of Mathematics	Hybrid	34	29
	Lecture	327	23
	Online	154	28
Total		515	25



College Enrollment Decreased: 3%(13/14); 0.73%(14/15); 1.14% (15/16); 5.5%(16/17)

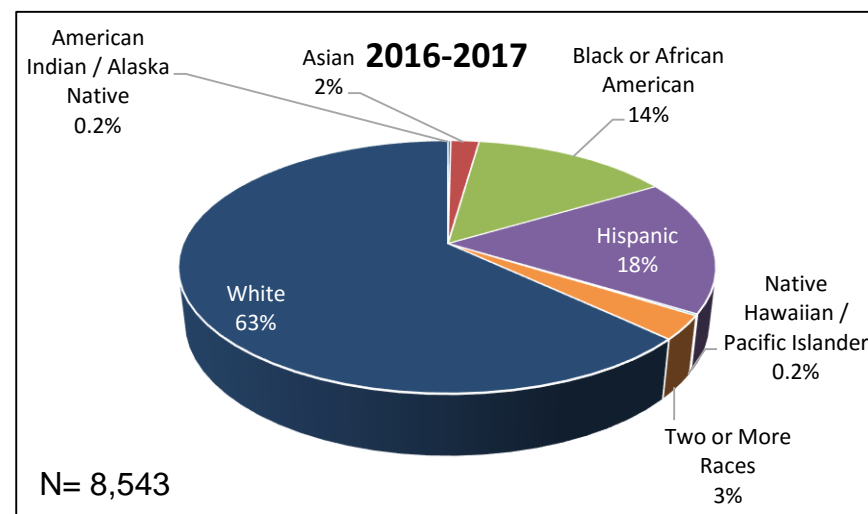
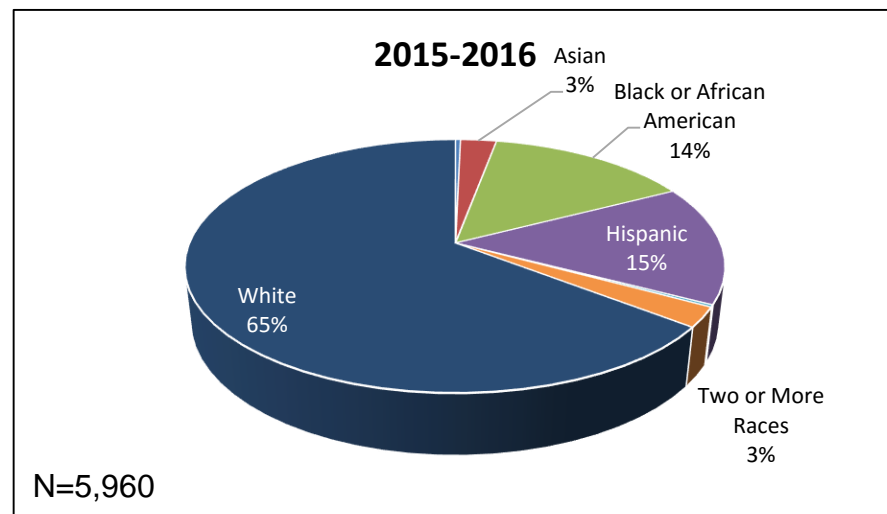
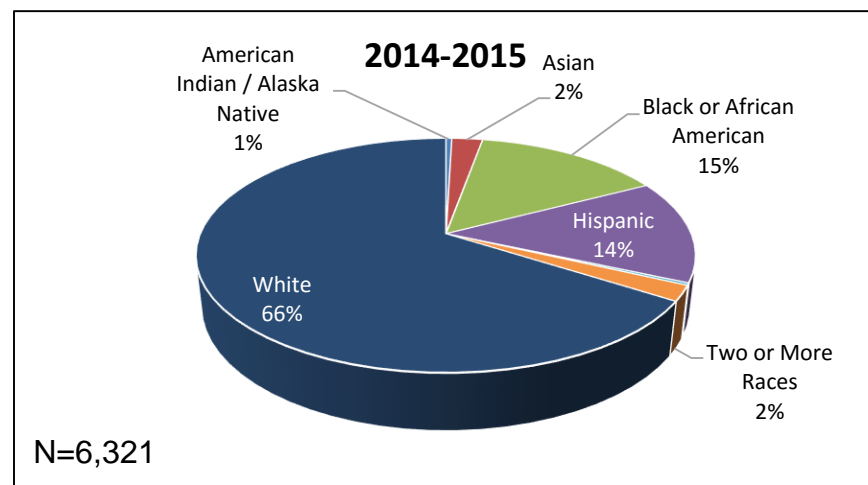
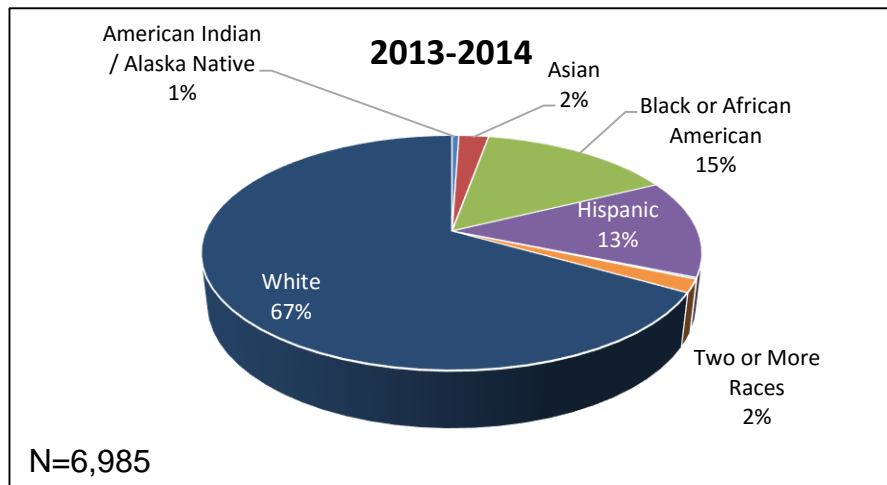




Source: IR Program Assessment Data

Excludes individuals whose gender is not reported.

Enrollment by Race/Ethnicity



DSC Averages 2016-2017

Amer Indian/ Alaska Native	Asian	Black or African Amer	Hispanic	Nat Hawaiian Pacif Islander	2 or More Races	White
0.4%	2%	14%	15%	0.2%	2%	66%

Excludes individuals whose race / ethnicity is not reported.

Source: IR Program Assessment Data