

**Phillips Community College of the University of Arkansas
2016-17**

Division: Arts and Sciences Department : Mathematics : Semester : Fall 2016

Class		Stuttgart			DeWitt		Helena			
Instructor	Test	A	B	C	A	D	E	F	G	H
Fund.Math MS 1013	Pre	29.7 11.9/40	33.4 13.4/40	42.1 16.9/40	34.2 13.7/40	32.5 13/40	32.2 12.9/40	32.5 13.1/40	36.6 14.6/40	27.7 11.1/40
	Post	82.5 33/40	81.3 32.5/40	75.0 30.0/40	76.7 30.7/40		74.9 30/40	79.9 32/40	76.3 30.5/40	68.4 27.4/40
	Success	+45.0 18/40	+36.3 14.5/40	+32.5 13/40	+42.5 17/40		+40.4 16.2/40	+33.5 13.4/40	26.3 10.5/40	+27.2 10.9/40
Completion Rate		100%	25.0%	60.0%	100%	0.0%	84.6%	36.0%	7.1%	60.0%
Elementary Algebra MS 1023	Pre	30.0 12/40	47.5 19/40	26.8 10.8/40	30.8 12.3/40	32.5 13/40	34.6 13.8/40	29.0 11.6/40	33.2 13.3/40	20.5 8.2/40
	Post	85.0 34/40	80.0 32/40	83.3 33.3/40	83.1 33.2/40	80.0 32/40	80.1 32/40	78.5 31.5/40	85.5 34.3/40	66.7 26.7/40
	Success	+48.5 19.4/40	+32.5 13/40	+52.5 21/40	+48.4 19.4/40	+44.2 17.7/40	+46.2 18.5/40	+52.8 21.1/40	+54.1 21.7/40	+28.2 11.3/40
Completion Rate		100%	100%	60%	90%	75%	75%	66.7%	62.5%	50.0%
Intermediate Algebra MS 1123	Pre	44.8 15.3/34	41.2 11/34	34.0 11.6/34	28.6 9.7/34	34.3 11.7/34	43.7 14.9/34	32.7 11.1/34	30.7 10.4/34	43.4 14.7/34
	Post	78.7 26.8/34	85.3 29/34	76.5 26/34	75.6 25.7/34	82.4 28/34	76.3 26/34	77.4 26.3/34	89.5 30.4/34	85.3 29/34
	Success	+31.0 10.5/34	+20.6 7/34	38.2 13/34	+51.1 17.4/34	+50.0 17/34	+28.3 9.6/34	+41.9 14.2/34	+55.7 18.9/34	+32.4 11/34
Completion Rate		100%	50.0%	100%	100%	100.0%	69.2%	83.3%	25.0%	66.7%
8.1/32 College Algebra MS 123	Pre		35.7 11.4/32		20.3 6.5/32		30.6 9.8/32	31.6 10.9/32	43.3 13.8/32	
	Post		51.8 16.6/32		75.3 24.1/32		72.8 23.3/32	77.1 24.6/32	62.6 20/32	
	Success		10.9 3.5/32		55.4 17.7/32		41.5 13.3/32	44.7 14.3/32	35.8 11.5/32	
Completion Rate			87.5%		94.4%		100%	100%	80%	
Technical Math MS 143	Pre							29.5 10/34		
	Post							82.0 27.9/34		
	Success							52.2 17.7/34		
Completion Rate								100%		
Instructor Total Retention %		86.1% 31/36	100% 28/28	80.1% 16/20	92.4% 61/66	77.8% 7/9	84.8% 56/66	72.7% 56/77	67.3 35/52	58.8% 10/17

Math Program (Dual Course +) Completion :

DeWitt	(FM/EA)	1/1	100%	(EA/IA)	2/2	100%	Carry Over to Spr 17	[4]
Helena	(FM/EA)	1/1	100%	(EA/IA)	4/4	100%	Carry Over to Spr 17	[10]
Stuttgart	(FM/EA)	2/2	100%	(EA/IA)	4/4	100%	Carry Over to Spr 17	[4]

I. Pre / Post Tests Review by Campus: (Semester Fall 2016) Totals

Class(s)	Stuttgart				DeWitt				Helena			
	Pre	Post	Success	Completion rate	Pre	Post	Success	Completion rate	Pre	Post	Success	Completion rate
Fund Math MS 1013	34.6	80.0	+39.5	10/18 55.6%	33.8	76.7	+42.5	6/6 100.0%	33.3	76.0	+35.6	27/57 47.4%
Elem Algebra MS 1023	30.6	84.1	+47.3	17/19 89.5%	31.3	82.3	+47.4	12/14 85.7%	30.7	80.3	+49.0	23/34 67.6%
Interm Algebra MS 1123	41.2	78.4	+35.6	21/22 95.5%	29.8	76.3	+51.0	10/10 100%	36.4	78.4	+37.2	23/36 63.9%
College Algebra MS 123	35.7	51.8	+10.9	14/16 87.5%	20.3	75.3	+55.4	34/36 94.4%	33.4	72.1	+41.2	28/29 96.6%

II. College Success Indicator (College Algebra)

Class	Stuttgart							DeWitt							Helena											
	B							A							F/G						E					
	A	B	C	D	F	W	A	B	C	D	F	W	A	B	C	D	F	W	A	B	C	D	F	W		
College Algebra MS 123	1	1	4	8			7	12	12	3			2	6	2	0			10	6	2	0				
					2	0					2	4					1	3					2	4		
Totals	A,B,C = 80.5%														A,B,C,D = 93.8%											

III. Completion Rates

Class	Stuttgart		DeWitt		Helena	
Fundamental Math MS 1013	10/18	55.6%	6/6	100.0%	27/57	47.4%
Elementary Algebra MS 1023	17/19	89.5%	12/14	85.7%	23/34	67.6%
Intermediate Algebra MS 1123	21/22	95.5%	10/10	100.0%	23/36	63.9%
College Algebra MS 123	14/16	87.5%	34/36	94.4%	28/29	96.6%

IV. College Totals

Table 1c: Goal 1, Expected Outcome 2 9
Math Pre – Post Test Results (Fall 2016)

Course	Scores	DeWitt	Stuttgart	Helena	Total College	College totals Program year (Fall/Spr.)	College totals Calendar year (Spr./Fall)
Fundamental Mathematics MS 1013	Pretest Score	33.8	34.6	33.3	33.6	33.6	33.9
	Post Score	76.7	80.0	76.0	75.6	75.6	74.8
	Change	42.5	39.5	35.6	37.6	37.6	36.0
	% Change	125.7%	114.2%	106.9%	111.9%	111.9%	106.2%
Elementary Algebra MS 1023	Pretest Score	31.3	30.6	30.7	30.8	30.8	32.5
	Post Score	82.3	84.1	80.3	82.0	82.0	81.4
	Change	47.4	47.3	49.0	48.1	48.1	46.4
	% Change	151.4%	154.6%	159.6%	156.2%	156.2%	142.8%
Intermediate Algebra MS 1123	Pretest Score	29.8	41.2	36.4	36.6	36.6	37.5
	Post Score	76.3	78.4	78.4	78.0	78.0	77.4
	Change	51.0	35.6	37.2	39.2	39.2	38.0
	% Change	171.1%	86.4%	102.2%	107.1%	107.1%	101.3%
College Algebra MS 123	Pretest Score	20.3	35.7	33.4	28.5	28.5	27.9
	Post Score	75.3	51.8	72.1	69.9	69.9	60.9
	Change	55.4	10.9	41.2	42.1	42.1	37.5
	% Change	272.9%	30.5%	123.4%	147.7%	147.7%	134.4%

Table 1d: Goal 1, Expected Outcome 2

Population of Students Taking Pre and Post Math Test (Fall 2016)						
Course	DeWitt	Stuttgart	Helena	Total College	College totals Program year (Fall/Spr.)	College totals Calendar year (Spr./Fall)
MS 1013	100.0% 6/6	55.6% 10/18	47.6% 27/57	53.1% 43/81	53.1% 43/81	55.2% 69/125
MS 1023	85.7% 12/14	89.5% 17/19	67.6% 23/34	77.6% 52/67	77.6% 52/67	77.9% 102/131
MS 1123	100.0% 10/10	95.5% 21/22	63.9% 23/36	79.4% 54/68	79.4% 54/68	77.2% 98/127
MS 123	97.2% 35/36	87.5% 14/16	96.6% 28/29	95.1% 77/81	95.1% 77/81	90.8% 158/174

Phillips Community College of the University of Arkansas

Division: Arts and Sciences

Department: Mathematics

Semester : SPR 2017

Class		Stuttgart			DeWitt		Helena		
Instructor	Test	A	B	C	A	B	D	E	F
Fund.Math MS 1013	Pre	28.3 11.3/40	47.5 19/40	37.5 15/40	27.5 11/40	N/A	31.9 12.7/40	34.2 13.7/40	39.6 15.8/40
	Post	75.3 30.1/40	76.3 30.5/40	72.5 29/40	76.7 30.7/40	N/A	80.3 32.1/40	83.8 32.5/40	74.3 29.7/40
	Success	+46.3 18.5/40	+33.8 13.5/40	+42.5 17/40	+51.7 20.7/40	N/A	+45.2 18.1/40	+35.6 14.2/40	+21.3 8.5/40
Completion Rate		100.0%	100.0%	100.0%	100%	0.0%	54.5%	55.6%	50.0%
Elementary Algebra MS 1023	Pre	30.5 12.2/40	36.8 14.5/40	19.5 7.8/40	29.6 11.9/40	12.5 5/40	34.0 13.6/40	27.2 10.9/40	40.4 16.2/40
	Post	81.3 32.4/40	83.8 33.5/40	81.3 32.5/40	82.0 32.8/40	80.0 32.0/40	77.4 30.9/40	83.1 33.2/40	82.7 33.1/40
	Success	+49.1 19.6/40	+47.5 19.0/40	+62.5 25/40	+55.0 22/40	+70.0 28/40	+47.9 19.1/40	+52.1 20.9/40	+40.8 16.3/40
Completion Rate		100%	100%	50%	100%	50%	80.0%	81.8%	75.0%
Intermediate Algebra MS 1123	Pre	38.2 13.5/34	N/A	30.4 10.0/34	35.3 12.0/34	41.2 14/34	49.0 16.7/34	28.2 9.6/34	41.2 14.0/34
	Post	78.6 26.7/34	N/A	76.5 26/34	73.8 25.1/34	70.0 23.8/34	76.8 26.1/34	74.8 25.4/34	81.0 27.5/34
	Success	+34.9 11.9/34	N/A	+50.0 17/34	+40.9 13.9/34	+31.8 10.8/34	+35.0 9.5/34	+31.9 10.8/34	+29.5 10/34
Completion Rate		100%	0.0%	100%	100%	50.0%	72.7%	53.8%	50.0%
8.1/32 College Algebra MS 123	Pre		DND		23.1 7.4/32		32.1 10.4/32	25.6 8.2/32	29.6 9.5/32
	Post		DND		75.9 25.9/32		80.2 27.3/32	53.1 17.0/32	67.2 21.5/32
	Success		DND		+49.5 15.8/32		+45.8 15.6/32	+26.8 8.6/32	+31.7 10.1/32
Completion Rate			33.3%		94.1%		100.0%	70.6%	80.0%
Technical Math MS 143	Pre				43.3 26/60			42.4 14.4/34	
	Post				75.8 45.5/60			74.5 25.3/34	
	Success				43.3 19.5/60			28.4 9.7/34	
Completion Rate					100%		100%		
Instructor Total Retention %		73.5% 25/34	47.1% 8/17	55.6% 5/9	86.4% 38/44	100% 4/4	66.2% 43/65	62.2% 56/90	86.4% 19/22

ACE Math Program Completion :

Stuttgart (FM/EA) 2/2 100% (EA/IA) 2/2 100%

Helena (FM/EA) 2/2 100.0% (EA/IA) 1/1 100.0%

I. Pre / Post Tests Review by Campus: (Semester SPR 2017)Totals

Class(s)	Stuttgart				DeWitt				Helena			
	Pre	Post	Success	Completion rate	Pre	Post	Success	Completion rate	Pre	Post	Success	Completion rate
Fund Math MS 1013	37.8	74.7	40.8	10/11 90.9%	27.5	76.7	51.7	3/3 100.0%	35.2	79.5	34.0	14/26 53.8%
Elem Algebra MS 1023	28.8	82.1	53.0	13/15 86.7%	21.1	81.0	62.5	6/7 85.7%	33.9	81.1	46.9	24/30 80.0%
Interm Algebra MS 1123	34.3	77.6	42.5	9/9 100.0%	38.8	71.9	36.4	6/7 85.7%	41.8	77.5	29.8	17/28 60.7%
College Algebra MS 123	(DND)	(DND)	(DND)	4/12 33.3%	23.1	75.9	+ 49.5	16/17 94.1%	29.1	79.4	+ 36.9	22/28 78.6%

II. College Success Indicator (College Algebra)

Class		Stuttgart						DeWitt						Helena											
		B						A						E/F			D								
		A	B	C	D	F	W	A	B	C	D	F	W	A	B	C	D	F	W	A	B	C	D	F	W
College Algebra MS 123	Completer	0	0	1	3			5	8	2	1			1	8	3	4			3	2	1			
	Non Completer					0	8					1	2					6	6						6
Totals		A,B,C = 69.4%												A,B,C,D = 85.7%											

III. Completion Rates (Spr. 2017)

Class	Stuttgart		DeWitt		Helena	
Fundamental Math MS 1013	10/11	90.9%	3/3	100.0%	14/26	53.8%
Elementary Algebra MS 1023	13/15	86.7%	6/7	85.7%	24/30	80.0%
Intermediate Algebra MS 1123	9/9	100.0%	6/7	85.7%	17/28	60.7%
College Algebra MS 123	4/12	33.3%	16/17	100.0%	22/28	78.6%

IV. College Totals

Table 1c: Goal 1, Expected Outcome 2 9
Math Pre – Post Test Results (SPR 2017)

Course	Scores	DeWitt	Stuttgart	Helena	Total College	College totals Program yr. (Fall/Spr.) 2016-2017	College totals Calendar year (Spr./Fall) 2016
Fundamental Mathematics MS 1013	Pretest Score	27.5	37.8	35.2	33.5	32.6	33.9
	Post Score	76.7	74.7	79.5	77.0	76.3	74.8
	Change	51.7	40.8	34.0	42.2	39.9	36.0
	% Change	188.0%	107.9%	96.6%	126.0%	122.4%	106.2%
Elementary Algebra MS 1023	Pretest Score	21.1	28.8	33.9	27.9	29.4	32.5
	Post Score	81.0	82.1	81.1	81.4	82.0	81.3
	Change	62.5	53.0	46.9	54.1	51.1	46.4
	% Change	296.2%	184.0%	138.3%	193.9%	173.8%	142.8%
Intermediate Algebra MS 1123	Pretest Score	38.8	34.3	41.8	38.3	37.5	37.5
	Post Score	71.9	77.6	77.5	75.7	76.9	77.4
	Change	36.4	42.5	29.8	36.2	37.7	38.0
	% Change	93.8%	123.9%	71.3%	94.5%	100.5%	101.3%
College Algebra MS 123	Pretest Score	23.1	(23.1) DND	29.1	25.1	26.8	27.9
	Post Score	75.9	(75.9) DND	79.4	77.1	73.5	60.9
	Change	49.5	(49.5) DND	36.9	45.3	43.7	32.5
	% Change	214.3%	00.0%	126.8%	180.5%	163.1%	116.3%

Table 1d: Goal 1, Expected Outcome 2

Population of Students Taking Pre and Post Math Test (SPR 2017)						
Course	DeWitt	Stuttgart	Helena	Total College	College totals Program Yr. 2016-2017 (Fall/Spr.)	College totals Calendar year 2016 (Spr./Fall)
MS 1013	100.0% 3/3	90.9% 10/11	53.8% 14/26	67.5% 27/40	63.1% 53/84	55.2% 69/125
MS 1023	85.7% 6/7	86.7% 13/15	80.0% 24/30	82.7% 43/52	80.2% 93/116	77.9% 102/131
MS 1123	85.7% 6/7	100.0% 9/9	60.7% 17/28	72.7% 32/44	73.8% 76/103	77.2% 98/127
MS 123	94.1% 16/17	33.3% 4/12	78.6% 22/28	73.7% 42/57	82.0% 123/150	90.8% 158/174