

Phillips Community College of the University of Arkansas
Fall 2015-Spring 2016

Division: Arts and Sciences

Department:

Mathematics

Semester: Fall 2015

Class		Stuttgart			DeWitt		Helena			
Instructor	Test	A	B	C	A	D	E	F	G	H
Fund.Math MS 1013	Pre	30.1 12.0/40	48.1 19.2/40	34.2 13.7/40	31.5 12.6/40	28.8 11.5/40	46.3 18.5/40	36.1 14.4/40	43.4 17.4/40	43.8 17.5/40
	Post	76.1 30.4/40	87.5 35/40	88.8 35.5/40	79.9 31.9/40	N/A	76.6 30.7/40	74.1 29.6/40	85.3 34.1/40	76.3 30.5/40
	Success	+46.7 18.7/40	+45.0 18/40	+42.8 17.5/40	+45.0 18.0/40	N/A	+27.3 10.9/40	+32.9 13.2/40	+32.9 13.2/40	+57.5 23.0/40
	Completion Rate	100%	33.3%	66.7%	100%	N/A	90.9%	36.4%	17.6%	66.7%
Elementary Algebra MS 1023	Pre	22.5 9.0/40	22.5 9.0/40	23.8 9.5/40	47.4 19.2/40	35.0 14/40	42.1 16.9/40	29.2 11.7/40	26.8 10.7/40	46.2 18.5/40
	Post	80.3 32.1/40		85.0 34/40	84.0 33.6/40	82.5 33.0/40	74.0 29.6/40	78.7 31.5/40	81.1 32.4/40	76.1 30.4/40
	Success	+55.8 22.3/40		65.0 26.0/40	+37.9 15.1/40	+37.5 15/40	+32.1 12.9/40	+43.9 17.6/40	+51.2 20.5/40	+31.6 12.6/40
	Completion Rate	100%	0.0%	50%	100%	50%	77.8%	53.3%	33.3%	100%
IntermediateAlgebra MS 1123	Pre	35.1 11.9/34	42.7 14.5/34	34.7 13.5/34	44.1 15/34	34.1 11.6/34	38.6 13.1/34	35.4 12/34		32.4 11/34
	Post	77.5 26.4/34	76.0 25.8/34	73.5 25/34	81.7 27.8/34		67.8 23.1/34	82.8 28.2/34		73.6 25/34
	Success	+42.7 14.5/34	+30.4 10.3/34	+29.4 10/34	+41.5 14.1/34		+27.8 9.5/34	+37.4 12.7/34		+55.3 18.8/34
	Completion Rate	100%	85.7%	100%	100%	0.0%	44.5%	58.3%		40.0%
8.1/32College Algebra MS 123	Pre		35.3 11.3/32		24.6 7.9/32		21.9 7.0/32	33.0 10.6/32		
	Post		50.0 16.0/32		89.7 28.7/32		67.9 21.7/32	61.0 19.5/32		
	Success		14.7 4.7/32		65.0 20.8/32		41.9 13.4/32	29.7 9.5/32		
	Completion Rate		68.4%		100%		100.0%	86.4%		
Technical Math MS 143	Pre				N/A			N/A		
	Post				N/A			N/A		
	Success				N/A			N/A		
	Completion Rate				N/A			N/A		
Instructor Total Retention %		86.1% 37/43	88.6% 31/35	100% 8/8	95.5% 63/66	90.0% 9/10	74.6% 50/67	78.5% 73/93	85.2% 23/27	57.9% 11/19

ACE Math Program Completion :

Stuttgart (FM/EA) 4/4 100% (EA/IA) 3/3 100%

Helena (FM/EA) 5/6 83.3% (EA/IA) 1/1 100%

I. Pre / Post Tests Review by Campus: (Semester Fall 2015)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	34.3	78.5	46.2	15/18 83.3%	31.1	76.9	45.0	10/12 83.3%	36.4	76.8	30.1	23/53 43.4%
Elem Algebra MS 1023	23.0	80.7	56.7	9/12 75.0%	45.5	83.9	37.9	13/14 92.9%	34.5	76.8	37.9	20/33 60.6%
Interm Algebra MS 1123	37.7	76.6	37.8	23/24 95.8%	40.5	81.7	41.5	9/14 64.3%	37.1	76.2	34.7	14/28 50.0%
College Algebra MS 123	35.3	50.0	+14.7	13/19 68.4%	24.6	89.7	+65.0	32/32 100.0%	27.3	64.2	+35.4	38/41 92.7%

II. College Success Indicator (College Algebra)

Class		Stuttgart						DeWitt						Helena												
		B						A						G/H						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	Completer	5	1	4	3			20	11	1				2	6	9	2			4	9	6	0			
	Non Completer					6	2						0						3	2						0
Totals		A,B,C = 76.5%												A,B,C,D = 81.4%												

III. Completion Rates

Class	Stuttgart		DeWitt		Helena	
Fundamental Math MS 1013	15/18	83.3%	10/12	83.3%	23/53	43.4%
Elementary Algebra MS 1023	9/12	75.0%	13/14	91.9%	20/33	60.6%
Intermediate Algebra MS 1123	23/24	95.8%	9/14	64.3%	14/28	50.0%
College Algebra MS 123	13/19	68.4%	32/32	100.0%	38/41	92.7%

IV. College Totals

Table 1c: Goal 1, Expected Outcome 2 9
Math Pre – Post Test Results (Fall 2015)

Course	Scores	DeWitt	Stuttgart	Helena	Total College	College totals Program year (Fall/Spring)	College totals Calendar year (Spring/Fall)
Fundamental Mathematics MS 1013	Pretest Score	31.1	34.3	36.4	35.4	35.4	36.3
	Post Score	76.9	79.5	76.8	77.4	77.4	75.9
	Change	45.0	46.2	30.1	38.2	38.2	38.0
	% Change	144.7%	134.7%	82.7%	107.9%	107.9%	104.7%
Elementary Algebra MS 1023	Pretest Score	45.5	23.0	34.5	34.1	34.1	32.2
	Post Score	83.9	80.7	76.8	79.8	79.8	78.8
	Change	37.9	56.7	37.9	42.7	42.7	43.4
	% Change	83.3%	246.5%	109.9%	125.2%	125.2%	136.3%
Intermediate Algebra MS 1123	Pretest Score	40.5	37.7	37.1	37.9	37.9	37.3
	Post Score	81.7	76.6	76.2	77.5	77.5	77.8
	Change	41.5	37.8	34.7	37.6	37.6	39.1
	% Change	102.5%	100.3%	93.5%	99.2%	99.2%	104.8%
College Algebra MS 123	Pretest Score	24.6	35.3	27.3	28.1	28.1	29.3

	Post Score	89.7	50.0	64.2	71.3	71.3	68.6
	Change	65.0	14.7	35.4	42.9	42.9	38.4
	% Change	264.2%	41.6%	129.7%	152.7%	152.7%	131.1%

Table 1d: Goal 1, Expected Outcome 2

Population of Students Taking Pre and Post Math Test (Fall 2015)						
Course	DeWitt	Stuttgart	Helena	Total College	College totals Program year (Fall/Spring)	College totals Calendar year (Spring/Fall)
MS 1013	83.3% 10/12	83.3% 15/18	43.4% 23/53	57.8% 48/83	57.8%	57.8%
MS 1023	91.9% 13/14	75.0% 9/12	60.6% 20/33	71.2% 42/59	71.2%	70.1%
MS 1123	64.3% 9/14	95.8% 23/24	50.0% 14/28	69.7% 46/66	69.7%	72.4%
MS 123	100% 32/32	68.4% 13/19	92.7% 38/41	90.2% 83/92	90.2%	94.4%

Phillips Community College of the University of Arkansas

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

Class		Stuttgart			DeWitt		Helena			
Instructor	Test	A	B	C	A	D	E	F	G	H
Fund.Math MS 1013	Pre	27.1 10.8/40	51.9 20.5/40	37.7 15/40	17.5 7.0/40	24.2 9.7/40	32.5 13.0/40	39.0 15.6/40		36.0 14.4/40
	Post	67.5 27.0/40	82.5 33/40	82.5 33.0/40	78.3 31.3/40	65.0 26/40	92.5 37.0/40	63.8 25.5/40		67.5 27/40
	Success	+38.8 15.5/40	+26.7 10.7/40	+33.3 13.3/40	+62.5 25.0/40	42.5 17/40	+40.0 16.0/40	+16.6 6.6/40		+18.8 7.5/40
Completion Rate		67.0%	75.0%	75.0%	100%	67.0%	14.3%	33.3%		50.0%
Elementary Algebra MS 1023	Pre	32.1 12.8/40	45.8 18.3/40	47.1 18.8/40	29.6 11.8/40	27.8 11.1/40	34.0 13.6/40	34.7 13.9/40		30.8 12.3/40
	Post	85.0 34.0/40	85.0 34.0/40	82.5 33/40	83.8 33.5/40	83.4 33.3/40	76.1 30.4/40	72.8 29.0/40		80.8 32.3/40
	Success	+46.9 18.8/40	+21.3 8.5/40	+27.5 11.0/40	+61.3 24.5/40	+55.6 27.2/40	+39.9 16.0/40	+37.0 14.8/40		+46.2 18.5/40
Completion Rate		100%	67%	80%	100%	100%	60.0%	55.5%		50.0%
IntermediateAlgebra MS 1123	Pre	34.0 11.6/34	32.4 11.0/34	47.1 16.0/34	34.8 11.8/34	26.5 9.0/34	41.3 14.3/34	39.6 13.5/34		44.2 15.0/34
	Post	77.95 26.5/34	75.5 25.7/34	N/A	77.9 26.5/34	70.0 23.8/34	79.8 27.1/34	76.5 26.0/34		72.6 24.7/34
	Success	+38.9 13.2/34	+41.2 14.0/34	N/A	+43.1 14.7/34	+37.6 12.8/34	+35.9 12.2/34	+21.6 7.3/34		+28.4 9.7/34
Completion Rate		100%	75.0%	00%	100%	80.0%	38.9%	75.0%		100.0%
8.1/32College Algebra MS 123	Pre		48.8 15.6/32		17.3 5.6/32		39.3 12.6/32	33.9 9.2/32		
	Post		56.5 19.2/32		77.3 24.7/32		60.7 19.4/32	56.0 17.9/32		
	Success		10.6 3.6/32		54.9 17.6/32		20.1 6.4/32	23.6 7.6/32		
Completion Rate			81.3%		100%		85.7%	84.0%		
Technical Math MS 143	Pre				27.5 9.3/34			N/A		
	Post				71.6 24.3/34			N/A		
	Success				44.1 15/34			N/A		
Completion Rate					100%			N/A		
Instructor Total Retention %		72.0% 19/25	100% 43/43	91.7% 11/12	84.2% 48/57	100% 10/10	68.6% 48/70	72.5% 50/69		90.9% 10/11

ACE Math Program Completion :

DeWitt (FM/EA) 8/8 100% (EA/IA) 10/10 100%

Helena (FM/EA) 0/0 0.0% (EA/IA) 0 /0 0.0%

I. Pre / Post Tests Review by Campus: (Semester SPR 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	37.2	79.1	32.2	10/11 90.9%	23.9	76.3	59.2	9/10 90.0%	35.4	67.8	19.7	7/23 30.4%
Elem Algebra MS 1023	38.6	84.3	32.7	14/16 87.5%	29.4	83.7	60.3	20/20 100.0%	33.9	76.7	39.8	20/28 57.1%
Interm Algebra MS 1123	37.4	77.2	39.5	9/10 90.0%	31.0	74.7	40.9	23/25 92.0%	41.0	77.8	31.1	12/24 50.0%
College Algebra MS 123	48.8	56.5	+10.6	26/32 81.3%	17.3	77.3	+54.9	22/22 100.0%	18.2	32.6	+11.7	33/39 84.6%

II. College Success Indicator (College Algebra)

Class		Stuttgart						DeWitt						Helena											
		B						A						E/H				F							
		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	12	8	5	1			13	7	2				1	6	11	3			2	5	2	2		
	Non Completer					6	0						4					4	8					2	1
Totals		A,B,C = 80.4%												A,B,C,D = 87.0%											

III. Completion Rates

Class	Stuttgart		DeWitt		Helena	
Fundamental Math MS 1013	10/11	90.9%	9/10	90.0%	7/23	30.4%
Elementary Algebra MS 1023	14/16	87.5%	20/20	100.0%	16/28	57.1%
Intermediate Algebra MS 1123	9/10	90.0%	23/25	92.0%	12/24	50.0%
College Algebra MS 123	26/32	81.3%	22/22	100.0%	33/39	84.6%

IV. College Totals

Table 1c: Goal 1, Expected Outcome 2 9
Math Pre – Post Test Results (SPR 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	23.9	37.2	35.4	34.1	34.8	34.1
	Post Score	76.3	79.1	67.8	73.9	75.7	73.9
	Change	59.2	32.2	19.7	34.4	36.3	34.4
	% Change	247.7%	86.6%	55.6%	100.9%	104.3%	100.9%
Elementary Algebra MS 1023	Pretest Score	29.4	38.6	33.9	34.2	34.2	34.2
	Post Score	83.7	84.3	75.7	80.8	80.3	80.8
	Change	60.3	37.7	39.8	44.6	43.7	44.6
	% Change	205.1%	97.7%	117.4%	130.4%	127.8%	130.4%
Intermediate Algebra MS 1123	Pretest Score	31.0	37.4	41.0	38.4	38.2	38.4
	Post Score	74.7	77.2	77.8	76.7	77.1	76.7
	Change	40.9	39.5	31.1	36.8	37.2	36.8
	% Change	131.9%	105.6%	75.9%	95.8%	97.4%	95.8%
College Algebra MS 123	Pretest Score	17.3	43.8	18.2	27.3	27.7	27.3
	Post Score	77.3	56.5	32.6	51.9	61.6	51.9

	Change	54.9	10.6	11.7	22.8	32.9	22.8
	% Change	317.3%	24.2%	64.3%	83.5%	118.8%	83.5%

Table 1d: Goal 1, Expected Outcome 2

Population of Students Taking Pre and Post Math Test (SPR 2016)						
Course	DeWitt	Stuttgart	Helena	Total College	College totals Program year (Fall/Spr.)	College totals Calendar year (Spr./Fall)
MS 1013	90.0% 9/10	90.9% 10/11	30.4% 7/23	59.1% 26/44	58.3% 74/127	59.1% 26/44
MS 1023	100.0% 20/20	87.5% 14/16	57.1% 16/28	78.1% 50/64	74.8% 92/123	78.1% 50/64
MS 1123	92.0% 23/24	90.0% 9/10	50.0% 12/24	74.6% 44/59	72.0% 90/125	74.6% 44/59
MS 123	100% 22/22	81.3% 26/32	84.6% 33/39	87.1% 81/93	88.6% 164/185	87.1% 81/93