

**Phillips Community College of the University of Arkansas**  
**Fall 2017 AND Spring 2018**

**Division: Arts and Sciences**

**Department : Mathematics**

**Semester : Fall 2017**

Class		Stuttgart			DeWitt		Helena			
Instructor	Test	A	B	C	A	D	E	F	G	H
Fund.Math MS 1013	Pre	7.64 2.4/32	6.0 2.1/32	8.33 2.62/32	21.2 6.8/32	14.82 4.1/32	18.06 5.8/32	18.2 5.8/32	18.8 6/32	17.7 5.47/32
	Post	85.3 27.3/32	79.6 25.5/32	75.0 24.0/32	88.9 28.4/32	77.8 24.9/32	87.2 27.9/32	73.1 23.4/32	77.8 24.9/32	73.1 23.4/32
	Success	+76.5 24.5/32	+79.6 25.5/32	+66.6 21.3/32	+57.94 18.5/32	+62.8 20.1/32	+66.1 21.2/32	+47.2 15.1/32	+58.6 18.7/32	+58.3 18.7/32
<b>Completion Rate</b>		<b>100.0%</b>	<b>37.5%</b>	<b>33.3%</b>	<b>100%</b>	<b>50.0%</b>	<b>83.3%</b>	<b>42.9%</b>	<b>25.0%</b>	<b>25.0%</b>
Elementary Algebra MS 1023	Pre	9.7 3.1/32	10.3 3.3/32	13.03 4.17/32	14.63 4.68/32	5.56 1.78/32	17.86 5.71/32	13.5 4.32/32	14.6 4.67/32	13.0 4.2/32
	Post	75.5 24.6/32	85.7 27.4/32	80.95 25.9/32	81.2 26/32	0.0 0.0/32	80.2 25.6/32	0.0 0.0/32	76.2 24.8/32	80.5 25.8/32
	Success	+64.5 20.6/32	+71.4 22.9/32	+68.4 21.9/32	+66.8 21.4/32	+0.0 0.0/32	+65.1 20.8/32	+0.0 0.0/32	+66.7 21.3/32	+63.8 20.4/32
<b>Completion Rate</b>		<b>100%</b>	<b>66.7%</b>	<b>36.4%</b>	<b>100%</b>	<b>00%</b>	<b>100.0%</b>	<b>0.0%</b>	<b>25.0%</b>	<b>41.7%</b>
Intermediate Algebra MS 1123	Pre	4.39 1.4/32	7.45 2.4/32	2.84 8.88/32	9.93 3.18/32	2.13 1/32	10.85 3.47/32	10.3 3.31/32	3.18 1.02/32	9.58 3.01/32
	Post	75.06 24.1/32	76.6 24.5/32	0.0 0.0/32	86.2 27.6/32	76.6 24.5/32	79.2 25.3/32	50.9 16.3/32	78.7 25.2/32	70.6 22.5/32
	Success	+70.5 25.6/32	+69.2 22.1/32	+0.0 0.0/32	+76.6 24.5/32	+74.5 23.8/32	+65.5 21.0/32	+29.9 9.6/32	+76.6 24.5/32	+65.95 21.1/32
<b>Completion Rate</b>		<b>90.9%</b>	<b>100.0%</b>	<b>00%</b>	<b>100%</b>	<b>67.0%</b>	<b>83.3%</b>	<b>21.4%</b>	<b>25.0%</b>	<b>25.0%</b>
8.1/32 College Algebra MS 123	Pre		44.1 14.1/32		24.2 7.7/32		34.2 10.9/32	28.4 9.07/32		
	Post		58.75 18.8/32		76.1 24.3/32		70.4 22.5/32	54.4 17.4/32		
	Success		+6.25 2.0/32		+51.1 16.3/32		+33.1 10.6/32	+25.3 8.1/32		
<b>Completion Rate</b>			<b>100.0%</b>		<b>100%</b>		<b>100.0%</b>	<b>75.0%</b>		
Technical Math MS 143	Pre				19.5 6.64/34			47.1 16/34		
	Post				70.4 23.9/34			70.6 24/34		
	Success				46.1 15.7/34			23.5 8/34		
<b>Completion Rate</b>					<b>100%</b>			<b>100.0%</b>		
<b>Instructor Total Retention %</b>		<b>80.0%</b> 35/44	<b>100%</b> 23/23	<b>84.2%</b> 16/19	<b>83.8%</b> 45/54	<b>66.7%</b> 4/6	<b>79.0%</b> 49/62	<b>68.2%</b> 45/66	<b>84.2%</b> 16/19	<b>73.7%</b> 28/38

**Multi-Course Math Program Completion :**

DeWitt (FM/EA) 4/4 100% (EA/IA)

Stuttgart (FM/EA) 4/4 100% (EA/IA) 1/1 100.0%

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

## I. Pre / Post Tests Review by Campus: (Semester Fall 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	7.32	80.0	+74.2	14/21 66.7%	18.5	84.4	+61.4	8/9 88.9%	18.19	77.8	+57.6	12/29 41.4%
Elem Algebra MS 1023	11.0	80.72	+68.1	20/28 71.4%	12.6	81.2	+66.8	8/9 88.9%	14.74	79.0	+65.2	13/35 37.1%
Interm Algebra MS 1123	4.89	75.83	+69.9	12/15 80.0%	7.53	82.4	+76.6	3/4 75.0%	8.48	69.8	+59.5	10/28 35.7%
College Algebra MS 123	44.1	58.8	+6.25	10/10 100.0%	24.2	76.1	+51.1	24/24 100.0%	31.3	61.4	+29.2	40/43 93.0%

## II. College Success Indicator (College Algebra) Fall 2017

Class		Stuttgart						DeWitt						Helena											
		B						A						F/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	1	2	4	3			6	8	8	2			1	2	2	4			1	1	1	0		
	Non Completer					0	0					0	2					3	2					0	3
Totals		<b>A,B,C = 84.4%    A,B,C,D = 96.1%</b>																							

## III. Completion Rates Fall 2017

Class	Stuttgart		DeWitt		Helena	
Fundamental Math MS 1013	14/21	66.7%	8/9	88.9%	12/29	41.4%
Elementary Algebra MS 1023	20/38	71.4%	8/9	88.9%	13/35	37.1%
Intermediate Algebra MS 1123	12/15	80.0%	3/4	75.0%	10/28	35.7%
College Algebra MS 123	10/10	100.0%	24/24	100.0%	40/43	93.0%

## IV. College Totals

Table 1c: Goal 1, Expected Outcome 2.9  
Math Pre – Post Test Results (Fall 2017)

Course	Scores	DeWitt	Stuttgart	Helena	Total College	College totals Program year 17/18 (Fall/Spr.)	College totals Calendar year 2017 (Spr./Fall)
Fundamental Mathematics MS 1013	Pretest Score	18.5	7.32	18.19	15.34	15.34	24.0
	Post Score	84.4	80.0	77.8	81.4	81.4	78.9
	Change	+61.4	+74.2	+57.6	+65.1	+65.1	+52.5
	% Change	_____%	_____%	_____%	_____%	521.5%	218.75%
Elementary Algebra MS 1023	Pretest Score	12.6	11.0	14.74	13.45	13.45	21.4
	Post Score	81.2	80.72	79.0	80.97	80.97	81.5
	Change	+66.8	+68.4	+65.2	+67.4	+67.4	+59.3
	% Change	_____%	_____%	_____%	_____%	618.59%	340.19%
Intermediate Algebra MS 1123	Pretest Score	7.53	4.89	8.48	6.97	6.97	22.2
	Post Score	82.4	75.83	69.8	76.0	76.0	76.5
	Change	+76.6	+69.9	+59.5	+68.7	+68.6	+53.2
	% Change	_____%	_____%	_____%	_____%	985.1%	313.1%
College Algebra MS 123	Pretest Score	24.2	44.1	31.3	33.2	33.2	30.0
	Post Score	76.1	58.8	61.4	65.4	65.4	69.5
	Change	+51.1	+6.25	+28.2	+28.5	+28.5	+36.1
	% Change	211.2%	14.2%	90.1%	85.9%	85.9%	120.3%

**Table 1d: Goal 1, Expected Outcome 2**

<b>Population of Students Taking Pre and Post Math Test (Fall 2017)</b>						
<b>Course</b>	<b>DeWitt</b>	<b>Stuttgart</b>	<b>Helena</b>	<b>Total College</b>	<b>College totals Program year 17/18 (Fall/Spr.)</b>	<b>College totals Calendar year 2017 (Spr./Fall)</b>
<b>MS 1013</b>	<b>88.9% 8/9</b>	<b>66.7% 14/21</b>	<b>41.9% 12/29</b>	<b>57.6% 34/59</b>	<b>57.6% 34/59</b>	<b>61.6% 61/99</b>
<b>MS 1023</b>	<b>88.9% 8/9</b>	<b>71.4% 20/28</b>	<b>37.1% 13/35</b>	<b>56.9% 41/72</b>	<b>56.9% 41/72</b>	<b>67.7% 84/124</b>
<b>MS 1123</b>	<b>75.0% 3/4</b>	<b>80.0% 12/15</b>	<b>35.7% 10/28</b>	<b>53.2% 25/47</b>	<b>53.2% 25/47</b>	<b>62.6% 57/9</b>
<b>MS 123</b>	<b>100% 24/24</b>	<b>100.0% 10/10</b>	<b>93.0% 40/43</b>	<b>96.1% 74/77</b>	<b>96.1% 74/77</b>	<b>86.6% 116/134</b>

**Phillips Community College of the University of Arkansas**

**Division: Arts and Sciences**

**Department: Mathematics**

**Semester: Spring 2018**

Class		Stuttgart			DeWitt		Helena		
Instructor	Test	A	B	C	A	B	D	F	G
Fund.Math MS 1013	Pre	7.72 2.47/32	9.26 2.06/32	11.11 3.6/32	11.12 3.6/32		18.8 6/32	12.1 3.87/32	25.7 8.2/32
	Post	85.1 27.2/32		77.78 24.9/32	91.67 29.3/32		78.6 25.2/32	84.5 25.2/32	77.7 24.9/32
	Success	+77.4 24.8/32	+	+55.56 17.5/32	+77.94 24.9/32	+	+59.9 19.2/32	+73.0 23.4/32	+51.3 16.4/32
<b>Completion Rate</b>		<b>75.0%</b>	<b>0.0%</b>	<b>33.3%</b>	<b>66.7%</b>		<b>100%</b>	<b>50.0%</b>	<b>66.7%</b>
Elementary Algebra MS 1023	Pre	11.77 3.77/32	29.4 9.4/32	7.14 2.29/32	12.5 4.0/32		11.3 3.6/32	12.5 4.0/32	8.1 2.6/32
	Post	86.7 27.7/32	80.9 25.9/32	76.2 24.3/32	82.7 26.9/32		79.3 25.4/32	72.1 23.1/32	82.5 26.8/32
	Success	+74.93 23.98/32	+45.2 14.5/32	+73.8 23.6/32	+70.4 22.5/32	+	+64.5 20.6/32	+54.3 17.4/32	+72.2 23.1/32
<b>Completion Rate</b>		<b>100%</b>	<b>66.7%</b>	<b>66.7%</b>	<b>100%</b>		<b>100.0%</b>	<b>22.2%</b>	<b>60.0%</b>
IntermediateAlgebra MS 1123	Pre	8.56 2.74/32	13.4 4.29/32	11.85 3.79/32	18.3 5.86/32		11.53 3.7/32	14.3 4.6/32	30.5 9.8/32
	Post	83.2 26.8/32	82.9 26.5/32	81.7 26.1/32	83.5 26.7/32		87.0 27.8/32	56.1 17.9/32	78.5 25.1/32
	Success	+74.6 23.9/32	+69.5 22.2/32	+76.8 24.6/32	+56.2 18.0/32	+	+78.0 25.0/32	+41.8 13.4/32	+43.9 14.1/32
<b>Completion Rate</b>		<b>94.1%</b>	<b>50.0%</b>	<b>33.3%</b>	<b>100%</b>		<b>75.0%</b>	<b>58.3%</b>	<b>83.3%</b>
8.1/32College Algebra MS 123	Pre		35.7 11.4/32			42.2 13.5/32	35.2 11.2/32	28.0 8.95/32	
	Post		54.1 17.3/32			78.1 25/32	79.5 25.5/32	56.8 18.2/32	
	Success		+18.4 5.0/32			35.9 11.5/32	+36.4 11.8/32	+27.9 89.3/32	
<b>Completion Rate</b>			<b>87.5%</b>			<b>100%</b>	<b>61.1%</b>	<b>83.3%</b>	
Technical Math MS 143	Pre	0.0 0/34						13.0 4.42/34	
	Post	74.8 25.4/34						47.0 15/34	
	Success	74.8 25.4/34						34.0 10.9/34	
<b>Completion Rate</b>		<b>80.0%</b>						<b>100.0%</b>	
<b>Instructor Total Retention %</b>		<b>76.9%</b> <b>40/52</b>	<b>87.5%</b> <b>21/24</b>	<b>92.3%</b> <b>12/13</b>	<b>85.7%</b> <b>24/28</b>	<b>100%</b> <b>4/4</b>	<b>55.6%</b> <b>25/45</b>	<b>65.4%</b> <b>34/52</b>	<b>71.4%</b> <b>15/21</b>

**Multi-Course Math Program Completion :**

**DeWitt (FM/EA) 4/4 100% (EA/IA) 1/1 100.0%**

**Stuttgart (FM/EA) 4/4 100% (EA/IA) 0/0 0.0%**

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

**(Stuttgart totals for DevEd includes Summer I 2018 semester)**

## I. Pre / Post Tests Review by Campus: (Semester Spring 2018) 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	9.36	81.4	+66.5	8/11 72.7%	11.1	91.7	+77.8	2/3 66.7%	18.9	80.3	+61.4	10/14 71.4%
Elem Algebra MS 1023	16.1	81.4	+64.6	15/17 88.2%	12.5	82.7	+70.4	10/10 100.0%	10.6	78.0	+63.7	10/19 53.6%
Interm Algebra MS 1123	11.3	82.6	+73.6	19/25 76.0%	18.3	83.5	+56.2	11/11 100.0%	18.8	73.9	+54.6	15/22 68.2%
College Algebra MS 123	35.7	54.1	+18.4	14/16 87.5%	42.2	78.1	+35.9	4/4 100.0%	31.6	68.2	+32.4	21/30 70.0%

## II. College Success Indicator (College Algebra) Spring 2018

Class		Stuttgart						DeWitt						Helena											
		B						B						F/G			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	8	3	3	0			1	1	2	0			0	4	3	3			5	3	3	0		
	Non Completer					2	0					0	0					0	2					1	6
Totals		<b>A,B,C = 72.0%</b>												<b>A,B,C,D = 78.0%</b>											

## III. Completion Rates Spring 2018

Class	Stuttgart		DeWitt		Helena	
Fundamental Math MS 1013	7/13	72.7%	2/3	66.7%	10/14	71.4%
Elementary Algebra MS 1023	15/17	88.2%	10/10	100.9%	10/19	52.6%
Intermediate Algebra MS 1123	19/25	76.0%	11/11	100.0%	15/22	68.2%
College Algebra MS 123	14/16	87.5%	4/4	100.0%	21/30	70.0%

## IV. College Totals

Table 1c: Goal 1, Expected Outcome 2 9  
Math Pre – Post Test Results (Spring 2018)

Course	Scores	DeWitt	Stuttgart	Helena	Total College	College totals Program year 17/18 (Fall/Spr.)	College totals Calendar year 2018 (Spr./Fall)
<b>Fundamental Mathematics MS 1013</b>	Pretest Score	11.1	9.36	18.9	13.12	14.23	13.12
	Post Score	91.7	81.4	80.3	84.47	82.94	84.47
	Change	+77.8	+66.5	+61.4	+70.07	+67.5	+70.07
	% Change	700.9%	710.5%	324.9%	534.1%	474.0%	534.1%
<b>Elementary Algebra MS 1023</b>	Pretest Score	12.5	16.1	10.6	13.07	13.26	13.07
	Post Score	82.7	81.3	78.0	80.67	80.82	80.67
	Change	+70.4	+64.6	+63.7	+66.23	+66.82	+66.23
	% Change	563.2%	401.2%	600.9%	506.7%	503.9%	506.7%
<b>Intermediate Algebra MS 1123</b>	Pretest Score	18.3	11.3	18.8	16.13	11.53	16.13
	Post Score	83.5	82.6	73.9	80.0	80.0	80.0
	Change	+56.2	+73.6	+54.6	+61.47	+65.09	+61.47
	% Change	307.1%	651.3%	290.4%	381.1%	564.5%	381.1%
<b>College Algebra MS 123</b>	Pretest Score	42.2	35.7	31.6	36.5	34.85	36.5
	Post Score	78.1	54.1	68.2	66.8	66.1	66.8
	Change	+35.9	+18.4	+32.4	+28.9	+28.7	+28.9
	% Change	85.1%	51.5%	102.5%	79.2%	82.4%	79.2%

**Table 1d: Goal 1, Expected Outcome 2**

<b>Population of Students Taking Pre and Post Math Test (Spring 2018)</b>						
<b>Course</b>	<b>DeWitt</b>	<b>Stuttgart</b>	<b>Helena</b>	<b>Total College</b>	<b>College totals Program year 17/18 (Fall/Spr.)</b>	<b>College totals Calendar year 2018 (Spr./Fall)</b>
<b>MS 1013</b>	<b>66.7% 2/3</b>	<b>72.7% 8/11</b>	<b>71.4% 10/14</b>	<b>71.4% 20/28</b>	<b>62.1% 54/87</b>	<b>71.4% 20/28</b>
<b>MS 1023</b>	<b>100.0% 10/10</b>	<b>88.2% 15/17</b>	<b>52.6% 10/19</b>	<b>76.1% 35/46</b>	<b>64.4% 76/118</b>	<b>76.1% 35/46</b>
<b>MS 1123</b>	<b>100.0% 11/11</b>	<b>76.0% 19/25</b>	<b>68.2% 15/22</b>	<b>77.6% 45/58</b>	<b>66.7% 70/105</b>	<b>77.6% 45/58</b>
<b>MS 123</b>	<b>100% 4/4</b>	<b>87.5% 14/16</b>	<b>70.0% 21/30</b>	<b>78.0% 39/50</b>	<b>89.0% 113/127</b>	<b>78.0% 39/50</b>