

**Phillips Community College of the University of Arkansas**  
2018-19

Division: Arts and Sciences

Department: Mathematics

Semester : Fall 2018

Class		Stuttgart			DeWitt		Helena			
Instructor	Test	A	B	C	A	B	D	E	F	G
Fund.Math MS 1013	Pre	12.03 3.85/32	29.76 9.52/32	32.3 10.3/32	15.74 5.1/32		17.5 5.6/32	17.4 5.6/32	16.4 5.2/32	17.1 5.5/32
	Post	73.7 23.6/32	83.3 26.7/32	81.67 26.1/32	84.7 27.1/32		81.8 26.2/32	76.0 24.3/32	81.7 26.1/32	80.5 25.8/32
	Success	+58.6 18.7/32	+56.5 18.1/32	+46.7 14.9/32	+66.5 21.3/32	+	+69.3 22.2/32	+70.7 22.6/32	+61.3 19.6/32	+68.0 21.8/32
<b>Completion Rate</b>		<b>87.5%</b>	<b>33.3%</b>	<b>83.3%</b>	<b>100.0%</b>		<b>80.0%</b>	<b>37.5%</b>	<b>75.0%</b>	<b>22.2%</b>
Elementary Algebra MS 1023	Pre	8.74 2.82/32	13.7 4.38/32	16.0 5.12/32	8.14 2.6/32		14.5 4.6/32	4.75 1.5/32	6.67 2.1/32	19.0 6.1/32
	Post	80.0 25.6/32	84.5 27.1/32	80.95 25.9/32	81.4 26.0/32		77.6 25.8/32	0.0 0.0/32	77.0 24.6/32	79.1 25.3/32
	Success	+69.1 22.1/32	+7502 24.0/32	+50.8 16.3/32	+73.4 23.5/32	+	+61.8 19.8/32	+0.0 0.0/32	+69.9 22.4/32	+46.3 14.8/32
<b>Completion Rate</b>		<b>70.0%</b>	<b>100.0%</b>	<b>75.0%</b>	<b>100%</b>		<b>63.6%</b>	<b>0.0%</b>	<b>66.7%</b>	<b>79.2%</b>
IntermediateAlgebra MS 1123	Pre	18.29 5.85/32	25.2 8.1/32	9.75 3.12/32	15.3 4.9/32		6.18 2.0/32	7.0 2.3/32	17.8 5.68/32	8.71 2.8/32
	Post	73.5 23.5/32	73.2 23.4/32	78.1 25.0/32	78.8 25.2/32		77.8 24.9/32	62.7 20.0/32	78.5 25.1/32	0.0 0.0/32
	Success	+49.5 16.6/32	+61.0 19.5/32	+72.4 23.2/32	+60.1 19.2/32	+	+70.28 22.5/322	+55.7 17.8/32	+67.5 21.6/32	+0.0 0.0/32
<b>Completion Rate</b>		<b>100.0%</b>	<b>33.3%</b>	<b>42.8%</b>	<b>100%</b>		<b>66.7%</b>	<b>58.3%</b>	<b>100.0%</b>	<b>0.0%</b>
8.1/32College Algebra MS 123	Pre		44.7 14.3/32			32.7 10.5/32		32.3 10.5/32	15.1 4.84/32	
	Post		60.6 17.3/32			56.8 18.2/32		68.24 21.8/32	63.4 20.3/32	
	Success		+15.9 5.1/32			24.6 7.87/32		+31.2 9.98/32	46.9 15.0/32	
<b>Completion Rate</b>			<b>89.3%</b>			<b>89.5%</b>		<b>90.9%</b>	<b>100.0%</b>	
Technical Math MS 143	Pre	27.8 8.9/34						13.0 4.42/34		
	Post	68.4 21.9/34						47.0 15/34		
	Success	40.7 13.0/34						34.0 10.9/34		
<b>Completion Rate</b>		<b>100.0%</b>						<b>100.0%</b>		
<b>Instructor Total Retention %</b>		<b>65.2%</b> <b>30/46</b>	<b>90.4%</b> <b>38/42</b>	<b>73.9%</b> <b>17/23</b>	<b>70.6%</b> <b>24/34</b>	<b>89.5%</b> <b>17/19</b>	<b>88.3%</b> <b>25/30</b>	<b>81.5%</b> <b>66/81</b>	<b>72.7%</b> <b>16/22</b>	<b>75.0%</b> <b>39/52</b>

**Multi-Course Math Program Completion :**

DeWitt (FM/EA) 0/0 00% (EA/IA) 0/0 00.0%

Stuttgart (FM/EA) 1/1 100% (EA/IA) 3/2 100.0%

Helena (FM/EA) 2/2 100.0% (EA/IA) 0/0 0.0%



						Program year 2018 (Fall/Spr.)	year 2018 (Spr./Fall)
<b>Fundamental Mathematics MS 1013</b>	Pretest Score	15.1	21.5	17.2	18.1	18.1	15.61
	Post Score	84.7	80.1	79.5	81.4	81.4	82.94
	Change	+66.5	+55.1	+67.97	+63.2	+63.2	+66.64
	% Change	423.5%	256.3%	395.2%	349.2%	349.2%	426.9%
<b>Elementary Algebra MS 1023</b>	Pretest Score	8.14	16.3	14.55	13.0	13.0	13.04
	Post Score	81.4	80.9	78.38	80.2	80.2	80.44
	Change	+73.4	+65.4	+54.1	+64.3	+64.3	+65.27
	% Change	901.7%	401.2%	371.8%	494.6%	494.6%	500.2%
<b>Intermediate Algebra MS 1123</b>	Pretest Score	15.3	11.3	8.18	11.6	11.6	13.87
	Post Score	78.8	80.9	70.3	76.7	80.7	78.35
	Change	+60.1	+65.4	+62.6	+62.7	+62.7	+62.09
	% Change	392.8%	577.3%	765.8%	540.5%	540.5%	447.7%
<b>College Algebra MS 123</b>	Pretest Score	32.7	44.3	28.9	35.3	35.3	35.9
	Post Score	56.8	60.6	67.3	61.7	61.7	64.3
	Change	+24.6	+15.9	+34.2	+24.9	+24.9	+26.9
	% Change	75.2%	35.9%	118.6%	70.6%	70.6%	74.9%

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

<b>Population of Students Taking Pre and Post Math Test (Fall 2018)</b>						
<b>Course</b>	<b>DeWitt</b>	<b>Stuttgart</b>	<b>Helena</b>	<b>Total College</b>	<b>College totals Program year 2018 (Fall/Spr.)</b>	<b>College totals Calendar year 2018 (Spr./Fall)</b>
<b>MS 1013</b>	<b>100.0% 12/12</b>	<b>77.8% 14/18</b>	<b>57.1% 15/21</b>	<b>80.4% 41/51</b>	<b>80.4% 41/51</b>	<b>77.2% 61/79</b>
<b>MS 1023</b>	<b>100.0% 6/6</b>	<b>75.0% 12/16</b>	<b>66.7% 28/42</b>	<b>71.9% 46/64</b>	<b>72.9% 46/64</b>	<b>73.6% 81/110</b>
<b>MS 1123</b>	<b>100.0% 6/6</b>	<b>62.5% 10/16</b>	<b>51.7% 15/29</b>	<b>60.8% 31/51</b>	<b>60.8% 31/51</b>	<b>69.7% 76/109</b>
<b>MS 123</b>	<b>89.5% 17/19</b>	<b>89.3% 25/28</b>	<b>92.2% 47/51</b>	<b>90.8% 89/98</b>	<b>90.8% 89/98</b>	<b>88.3% 128/145</b>

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Class		Stuttgart			DeWitt		Helena			
Instructor	Test	A	B	C	A	B	D	E	F	G
Fund.Math MS 1013	Pre	15.5 4.95/32	24.3 7.78/32	28.5 9.1/32	9.73 3.1/32		21.6 6.9/32	12.6 4.1/32	24.8 7.94/32	0.0 0/32
	Post	81.6 26.2/32	78.7 25.2/32	88.9 28.4/32	70.0 22.4/32		77.0 24.6/32	81.95 26.2/32	84.3 26.9/32	0.0 0/32
	Success	+62.2 19.9/32	+52.8 16.9/32	+60.4 19.3/32	+56.1 18/32	+	+62.2 19.9/32	+66.7 21.3/32	+55.9 17.9/32	+0.0 0/32
<b>Completion Rate</b>		<b>80.0%</b>	<b>100%</b>	<b>100%</b>	<b>100.0%</b>		<b>55.6%</b>	<b>100%</b>	<b>60.0%</b>	<b>0.0%</b>
Elementary Algebra MS 1023	Pre	11.0 3.52/32	26.2 8.38/32	18.6 5.94/32	8.00 2.56/32		21.7 6.9/32	15.1 4.8/32	19.1 6.1/32	31.3 10/32
	Post	76.0 24.6/32	83.3 26.7/32	82.9 26.5/32	78.3 25.8/32		78.0 25.0/32	72.6 23.2/32	88.0 28.2/32	69.0 22.1/32
	Success	+65.1 20.8/32	+54.76 17.5/32	+55.2 17.7/32	+69.6 22.3/32	+	+39.7 12.7/32	+65.5 20.9/32	+80.9 25.9/32	+37.8 12.1/32
<b>Completion Rate</b>		<b>88.9%</b>	<b>100.0%</b>	<b>83.3%</b>	<b>100%</b>		<b>60.0%</b>	<b>100%</b>	<b>100%</b>	<b>44.4%</b>
Intermediate Algebra MS 1123	Pre	14.36 4.6/32	29.3 9.37/32	17.68 5.66/32	14.3 4.59/32		6.83 2.2/32	16.5 5.3/32	30.1 9.6/32	13.4 4.3/32
	Post	79.7 25.5/32	70.7 22.6/32	76.8 24.6/32	74.6 23.9/32		73.0 23.4/32	0.0 0.0/32	80.3 25.7/32	79.1 25.3/32
	Success	+62.9 20.2/32	+41.5 13.3/32	+51.2 16.4/32	+52.6 16.9/32	+	+68.0 26.3/32	+0.0 0.0/32	+59.6 19.1/32	+60.8 19.4/32
<b>Completion Rate</b>		<b>100.0%</b>	<b>33.3%</b>	<b>66.7%</b>	<b>100%</b>		<b>40.0%</b>	<b>0.0%</b>	<b>66.7%</b>	<b>25.0%</b>
8.1/32 College Algebra MS 123	Pre		51.5 10.3/20			33.8 6.8/20		21.75 4.5/20	46.8 9.2/20	
	Post		84.8 17.0/20			66.5 13.3/20		71.5 14.3/20	74.0 14.8/20	
	Success		+33.3 6.7/20			32.5 6.5/20		+49.8 9.95/20	+29.4 5.9/20	
<b>Completion Rate</b>			<b>96.3%</b>			<b>75.0%</b>		<b>90.95%</b>	<b>100.0%</b>	
Technical Math MS 143	Pre	17.0 5.8/34								
	Post	78.7 26.8/34								
	Success	61.7 21.0/34								
<b>Completion Rate</b>		<b>75.0%</b>								
<b>Instructor Total Retention %</b>		<b>80.7%</b> <b>25/31</b>	<b>94.4%</b> <b>34/36</b>	<b>86.7%</b> <b>13/15</b>	<b>70.8%</b> <b>17/24</b>	<b>100%</b> <b>4/4</b>	<b>76.0%</b> <b>19/25</b>	<b>78.4%</b> <b>29/37</b>	<b>77.8%</b> <b>14/18</b>	<b>81.8%</b> <b>18/22</b>

Multi-Course Math Program Completion : Spring 2019

DeWitt	(FM/EA)	0/0	0.0%	(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%

## I. Pre / Post Tests Review by Campus: (Semester Spring 2019) 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	20.8	83.1	+58.5	11/12 91.7%	9.73	70.0	+56.1	1/1 100.0%	19.7	81.1	+61.6	10/17 58.8%
Elem Algebra MS 1023	18.6	80.7	+58.4	14/16 87.5%	8.0	78.3	+69.6	10/10 100.0%	21.8	76.9	+56.0	10/17 58.8%
Interm Algebra MS 1123	20.4	75.7	+51.9	10/13 76.9%	14.3	74.6	+57.6	6/6 100.0%	16.7	58.1	+47.1	6/16 37.5%
College Algebra MS 123	51.5	84.8	+33.3	26/27 96.3%	33.8	66.5	+32.5	3/4 75.0%	34.3	72.8	+39.6	24/26 92.3%

## II. College Success Indicator (College Algebra) (Spring 2019 semester)

Class		Stuttgart					DeWitt					Helena													
		B					B					E/G					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	19	6	1	0			0	0	3	0			2	5	9	3			0	2	3	0		
	Non Completer					1	0					1	0					2	1					0	2
Totals		<b>A,B,C = 87.7%</b>												<b>A,B,C,D = 92.0%</b>											

(50/57)

(53/57)

## III. Completion Rates (Spring 2019 semester)

Class	Stuttgart		DeWitt		Helena	
Fundamental Math MS 1013	11/12	91.7%	1/1	100.0%	10/17	58.8%
Elementary Algebra MS 1023	14/16	87.5%	10/10	100.0%	10/17	58.8%
Intermediate Algebra MS 1123	10/13	76.9%	6/6	100.0%	6/16	37.5%
College Algebra MS 123	26/27	96.3%	3/4	75.0%	24/26	92.3%

## IV. College Totals

Table 1c: Goal 1, Expected Outcome 2 9  
Math Pre – Post Test Results (Spring 2019)

Course	Scores	DeWitt	Stuttgart	Helena	Total College	College totals Program year 2018-2019 (Fall/Spr.)	College totals Calendar year 2019 (Spr./Fall)
Fundamental Mathematics MS 1013	Pretest Score	9.73	20.8	19.7	15.4	16.8	15.4
	Post Score	70.0	83.1	81.1	72.0	76.7	73.0
	Change	+56.1	+58.5	+61.6	+54.2	+58.7	+54.2
	% Change	576.6%	281.3%	312.7%	352.0%	349.4%	352.0%
Elementary Algebra MS 1023	Pretest Score	8.0	18.6	21.8	14.8	13.9	14.8
	Post Score	78.3	80.7	76.9	72.5	76.4	72.5
	Change	+69.6	+58.4	+56.0	+56.6	+60.5	+56.6
	% Change	870.0%	313.9%	256.9%	382.4%	434.9%	382.4%
Intermediate Algebra MS 1123	Pretest Score	14.3	20.4	16.7	15.8	13.7	15.8
	Post Score	74.6	75.7	58.1	64.1	70.4	64.1
	Change	+52.6	+51.9	+47.1	+46.6	+54.9	+46.6
	% Change	367.8%	354.4%	282.0%	295.0%	398.9%	295.0%
College Algebra MS 123	Pretest Score	33.8	51.5	34.3	39.4	37.6	39.9
	Post Score	66.5	84.8	72.8	74.7	68.2	74.7
	Change	+32.5	+33.3	+39.6	+35.1	+30.0	+35.1
	% Change	96.2%	154.7%	115.5%	88.0%	79.8%	88.0%

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

<b>Population of Students Taking Pre and Post Math Test (Spring 2019)</b>						
<b>Course</b>	<b>DeWitt</b>	<b>Stuttgart</b>	<b>Helena</b>	<b>Total College</b>	<b>College totals Program year 2018 - 2019(Fall/Spr.)</b>	<b>College totals Calendar year 2019 (Spr./Fall)</b>
<b>MS 1013</b>	<b>100.0%</b> <b>1/1</b>	<b>91.7%</b> <b>11/12</b>	<b>58.8%</b> <b>10/17</b>	<b>73.3%</b> <b>22/30</b>	<b>77.8%</b> <b>63/81</b>	<b>73.3%</b> <b>22/30</b>
<b>MS 1023</b>	<b>100.0%</b> <b>10/10</b>	<b>87.5%</b> <b>14/16</b>	<b>58.8%</b> <b>10/17</b>	<b>79.1%</b> <b>34/43</b>	<b>74.8%</b> <b>80/107</b>	<b>74.1%</b> <b>34/43</b>
<b>MS 1123</b>	<b>100.0%</b> <b>6/6</b>	<b>76.9%</b> <b>10/19</b>	<b>37.5%</b> <b>6/16</b>	<b>57.9%</b> <b>22/38</b>	<b>59.6%</b> <b>53/89</b>	<b>52.9%</b> <b>22/38</b>
<b>MS 123</b>	<b>75.0%</b> <b>3/4</b>	<b>96.3%</b> <b>26/27</b>	<b>92.3%</b> <b>24/26</b>	<b>93.0%</b> <b>53/57</b>	<b>91.6%</b> <b>142/155</b>	<b>93.9%</b> <b>53/57</b>