

## MASTER OF PUBLIC HEALTH PROGRAM ARTIFACT MATRIX

PROGRAM OUTCOMES	MPH 500 FUND. OF PUBLIC HEALTH	MPH 505 BIOSTATISTICS	MPH 510 APPLIED EPIDEMIOLOGY	MPH 515 PRIN. OF HEALTH BEHAVIOR	MPH 520 CONCEPTS OF ENVIRON. HEALTH	MPH 525 HEALTH POLICY AND MGMT.	MPH 530 METHODS OF RESEARCH IN PUBLIC HEALTH	MPH 598 APPLIED RESEARCH IN PUBLIC HEALTH	MPH 599 PUBLIC HEALTH FIELD PRACTICUM
<p><b>1. Demonstrate knowledge of and skill in the communication of strategies to improve the health of individuals and communities.</b></p> <p><b>Expectations:</b> Mean 1.5-2</p> <p><b>Set 1 – 3/2/15-11/1/15</b> Spring B 2015 Summer A 2015</p> <p><b>Set 2 – 1/1/16 – 10/24/16</b></p> <p><b>Set 3 – 8/29/16 – 12/31/16</b></p> <p><b>Set 4 – 1/1/17 – 5/3/17</b></p>	<p>Research Paper</p> <p><b>1<sup>st</sup> set:</b> N=10 Mean 1.8 30% beginning; 60% developing; 10% advancing; 0% proficient</p> <p><b>2<sup>nd</sup> set:</b> N = 7 Mean 1.71 43% beginning; 43% developing; 14% advancing; 0% proficient</p> <p><b>3<sup>rd</sup> set:</b> N = 5 Mean 2 0% beginning; 100% developing; 0% advancing; 0% proficient</p>	<p>Final Assignment</p> <p><b>2<sup>nd</sup> set:</b> N = 10 Mean 2.5 10% beginning; 40% developing; 40% advancing; 10% proficient</p> <p><b>3<sup>rd</sup> set:</b> N = 6 Mean 3 0% beginning; 0% developing; 100% advancing; 0% proficient</p> <p><b>4<sup>th</sup> set:</b> N = 6 Mean 2.33 0% beginning; 83% developing</p>	<p>Capstone Screening Project</p> <p><b>2<sup>nd</sup> set:</b> N = 10 Mean 2.8 0% beginning; 20% developing; 80% advancing; 0% proficient</p>	<p>Research Paper</p> <p><b>2<sup>nd</sup> set:</b> N = 10 Mean 3 0% beginning; 0% developing; 100% advancing; 0% proficient</p> <p><b>3<sup>rd</sup> set:</b> N = 5 Mean 2.4 20% beginning; 20% developing; 60% advancing; 0% proficient</p> <p><b>4<sup>th</sup> set:</b> N = 6 Mean 2.5 17% beginning; 17% developing; 67% advancing; 0% proficient</p>	<p>Prezi Project</p> <p><b>2<sup>nd</sup> set:</b> N = 10 Mean 2.4 0% beginning; 60% developing; 40% advancing; 0% proficient</p> <p><b>3<sup>rd</sup> set:</b> N = 5 Mean 2 0% beginning; 100% developing; 0% advancing; 0% proficient</p>	<p>Communicating Your Message Paper</p> <p><b>2<sup>nd</sup> set:</b> N = 5 Mean 2.8 0% beginning; 20% developing; 80% advancing; 0% proficient</p> <p><b>3<sup>rd</sup> set:</b> N = 8 Mean 2.88 0% beginning; 13% developing; 88% advancing; 0% proficient</p> <p><b>4<sup>th</sup> set:</b> N = 6 Mean 3 0% beginning; 17% developing; 67% advancing; 17% proficient</p>	<p>Systematic Review Proposal</p> <p><b>3<sup>rd</sup> set:</b> N = 2 Mean 3.5 0% beginning; 0% developing; 50% advancing; 50% proficient</p> <p><b>4<sup>th</sup> set:</b> N = 8 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p> <p><b>5<sup>th</sup> set:</b> N = 8 Mean 4 0% beginning; 0% developing;</p>	<p>Systematic Review</p> <p><b>5<sup>th</sup> set:</b> N = 4 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p>	<p>Portfolio</p> <p><b>6<sup>th</sup> set:</b> N = 6 Mean 3.83 0% beginning; 0% developing; 17% advancing; 83% proficient</p> <p>Practicum Paper</p> <p><b>6<sup>th</sup> set:</b> N = 8 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p>

<p><b>Set 5 – 5/5/17 – 8/25/17</b></p>	<p>4<sup>th</sup> set: N = 3 Mean 2.33 33% beginning; 0% developing; 67% advancing; 0% proficient</p>	<p>; 0% advancing; 17% proficient</p> <p>5<sup>th</sup> set: N = 1 Mean 3 0% beginning; 0% developing; 100% advancing; 0% proficient</p>		<p>5<sup>th</sup> set: N = 6 Mean 2.83 0% beginning; 17% developing; 83% advancing; 0% proficient</p>		<p>5<sup>th</sup> set: N = 3 Mean 2.33 0% beginning; 67% developing; 33% advancing; 0% proficient</p>	<p>0% advancing; 100% proficient</p>		
<p><b>Set 6 – 8/31/17 – 12/31/17</b></p>	<p>6<sup>th</sup> set: N = 5 Mean 2.8 0% beginning; 20% developing; 80% advancing; 0% proficient</p>				<p>6<sup>th</sup> set: N = 6 Mean 3 0% beginning; 0% developing; 0% advancing; 100% proficient</p>	<p>6<sup>th</sup> set: N = 2 Mean 3 0% beginning; 0% developing; 100% advancing; 0% proficient</p>	<p>6<sup>th</sup> set: N = 5 Mean 3.2 0% beginning; 0% developing; 80% advancing; 20% proficient</p>	<p>6<sup>th</sup> set: N = 10 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p>	
<p><b>Set 7 – 1/1/18 – 5/11/18</b></p>	<p>7<sup>th</sup> set: N = 1 Mean 2 0% beginning; 100% developing; 0% advancing; 0% proficient</p>	<p>7<sup>th</sup> set: N = 7 Mean 3 0% beginning; 0% developing; 100% advancing; 0% proficient</p>		<p>7<sup>th</sup> set: N = 1 Mean 2 0% beginning; 100% developing; 0% advancing; 0% proficient</p>		<p>7<sup>th</sup> set: N = 1 Mean 2 0% beginning; 100% developing; 0% advancing; 0% proficient</p>	<p>7<sup>th</sup> set: N = 3 Mean 3.67 0% beginning; 0% developing; 33% advancing; 67% proficient</p>	<p>7<sup>th</sup> set: N = 1 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p>	<p>7<sup>th</sup> set: N = 1 Mean 4 0% beginning; 0% developing; 30% advancing; 100% proficient</p>
<p><b>Set 8 – 4/30/18 – 8/18/18</b></p>	<p>8<sup>th</sup> set: N = 2 Mean 1.5 50% beginning; 50%</p>			<p>8<sup>th</sup> set: N = 7 Mean 2.86 0% beginning; 14% developing;</p>	<p>8<sup>th</sup> set: N = 1 Mean 2 0% beginning; 100%</p>	<p>8<sup>th</sup> set: N = 7 Mean 3 0% beginning; 0% developing;</p>	<p>8<sup>th</sup> set: N = 1 Mean 4 0% beginning; 0% developing;</p>	<p>8<sup>th</sup> set: N = 5 Mean 4 0% beginning; 0% developing;</p>	<p>Practicum Paper</p> <p>8<sup>th</sup> set: N = 6 Mean 4 0% beginning; 0% developing; 0% advancing;</p>

<p><b>Set 9 – 8/26/18 – 12/31/18</b></p>	<p>developing; 0% advancing; 0% proficient</p> <p>9<sup>th</sup> set: N = 2 Mean 3 0% beginning; 0% developing; 100% advancing; 0% proficient</p>	<p>9<sup>th</sup> set: N = 4 Mean 3 0% beginning; 0% developing; ; 100% advancing; 0% proficient</p>		<p>86% advancing; 0% proficient</p>	<p>developing; 0% advancing; 0% proficient</p>	<p>100% advancing; 0% proficient</p>	<p>0% advancing; 100% proficient</p> <p>9<sup>th</sup> set: N = 2 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p>	<p>0% advancing; 100% proficient</p>	<p>100% proficient</p> <p><b>Portfolio</b> 8<sup>th</sup> set: N = 6 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p> <p><b>Practicum Paper</b> 9<sup>th</sup> set: N = 3 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p> <p><b>Portfolio</b> 9<sup>th</sup> set: N = 3 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p>
<p><b>2. Demonstrate knowledge of and skill in the design, implementation and evaluation of public health programs and policies to</b></p>	<p>Research Paper</p> <p>1<sup>st</sup> set: N=10 Mean 1.6 40% beginning; 60% developing;</p>		<p>Capstone Screening Project</p> <p>2<sup>nd</sup> set: N = 10 Mean 2.5 0% beginning; 50%</p>	<p>Research Paper</p> <p>2<sup>nd</sup> set: N = 10 Mean 2.8 0% beginning; 20% developing;</p>	<p>Prezi Project</p> <p>2<sup>nd</sup> set: N = 10 Mean 2 20% beginning; 60% developing; 20% advancing;</p>	<p>Communicating Your Message Paper</p> <p>2<sup>nd</sup> set: N = 5 Mean 3 0% beginning; 0%</p>	<p>Systematic Review Proposal</p> <p>3<sup>rd</sup> set: N = 2 Mean 2.5 0% beginning; 50%</p>		<p>Portfolio</p> <p>6<sup>th</sup> set: N = 6 Mean 3.83 0% beginning; 0% developing; 17% advancing;</p>

<p><b>promote health according to the specific needs of different populations.</b></p> <p><b>Expectations:</b> Mean 1.25-1.75</p> <p><b>Set 1 – 3/2/15-11/1/15</b> Spring B 2015 Summer A 2015</p> <p><b>Set 2 – 1/1/16 – 10/24/16</b></p> <p><b>Set 3 – 8/29/16 – 12/31/16</b></p> <p><b>Set 4 – 1/1/17 – 5/3/17</b></p> <p><b>Set 5 – 5/5/17 – 8/25/17</b></p> <p><b>Set 6 – 8/31/17 – 12/31/17</b></p>	<p>0% advancing; 0% proficient</p> <p><b>2<sup>nd</sup> set:</b> N = 7 Mean 1.57 43% beginning; 57% developing; 0% advancing; 0% proficient</p> <p><b>3<sup>rd</sup> set:</b> N = 5 Mean 1.6 40% beginning; 60% developing; 0% advancing; 0% proficient</p> <p><b>4<sup>th</sup> set:</b> N = 3 Mean 1.67 33% beginning; 67% developing; 0% advancing; 0% proficient</p> <p><b>6<sup>th</sup> set:</b> N = 5 Mean 2.4 0% beginning; 60% developing; 40% advancing; 0% proficient</p> <p><b>7<sup>th</sup> set:</b></p>		<p>developing; 50% advancing; 0% proficient</p>	<p>80% advancing; 0% proficient</p> <p><b>3<sup>rd</sup> set:</b> N = 5 Mean 2.2 20% beginning; 40% developing; 40% advancing; 0% proficient</p> <p><b>4<sup>th</sup> set:</b> N = 6 Mean 2.5 17% beginning; 17% developing; 67% advancing; 0% proficient</p> <p><b>5<sup>th</sup> set:</b> N = 6 Mean 2.5 0% beginning; 50% developing; 50% advancing; 0% proficient</p>	<p>0% proficient</p> <p><b>3<sup>rd</sup> set:</b> N = 5 Mean 2 0% beginning; 100% developing; 0% advancing; 0% proficient</p> <p><b>6<sup>th</sup> set:</b> N = 6 Mean 3 0% beginning; 0% developing; 100% advancing; 0% proficient</p>	<p>developing; 100% advancing; 0% proficient</p> <p><b>3<sup>rd</sup> set:</b> N = 8 Mean 2.13 0% beginning; 88% developing; 13% advancing; 0% proficient</p> <p><b>4<sup>th</sup> set:</b> N = 6 Mean 2.5 0% beginning; 50% developing; 50% advancing; 0% proficient</p> <p><b>5<sup>th</sup> set:</b> N = 3 Mean 2 0% beginning; 100% developing; 0% advancing; 0% proficient</p> <p><b>6<sup>th</sup> set:</b> N = 2 Mean 23 0% beginning; 0% developing; 100% advancing; 0% proficient</p>	<p>developing; 50% advancing; 0% proficient</p> <p><b>4<sup>th</sup> set:</b> N = 8 Mean 3.75 0% beginning; 0% developing; 25% advancing; 75% proficient</p> <p><b>5<sup>th</sup> set:</b> N = 8 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p> <p><b>6<sup>th</sup> set:</b> N = 5 Mean 3.2 0% beginning; 0% developing; 80% advancing; 20% proficient</p>		<p>83% proficient</p> <p>Practicum Paper</p> <p><b>6<sup>th</sup> set:</b> N = 8 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p>
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<p><b>Set 7 – 1/1/18 – 5/11/18</b></p>	<p>N = 1 Mean 2 0% beginning; 100% developing; 0% advancing; 0% proficient</p>			<p>7<sup>th</sup> set: N = 1 Mean 2 0% beginning; 100% developing; 0% advancing; 0% proficient</p>		<p>7<sup>th</sup> set: N = 1 Mean 2 0% beginning; 100% developing; 0% advancing; 0% proficient</p>	<p>7<sup>th</sup> set: N = 3 Mean 3.67 0% beginning; 0% developing; 33% advancing; 67% proficient</p>		<p>7<sup>th</sup> set: N = 1 Mean 4 0% beginning; 0% developing; 30% advancing; 100% proficient</p>
<p><b>Set 8 – 4/30/18 – 8/18/18</b></p>	<p>8<sup>th</sup> set: N = 2 Mean 1 100% beginning; 0% developing; 0% advancing; 0% proficient</p>			<p>8<sup>th</sup> set: N = 7 Mean 2.57 0% beginning; 43% developing; 57% advancing; 0% proficient</p>	<p>8<sup>th</sup> set: N = 1 Mean 2 0% beginning; 100% developing; 0% advancing; 0% proficient</p>	<p>8<sup>th</sup> set: N = 7 Mean 3 0% beginning; 0% developing; 100% advancing; 0% proficient</p>	<p>8<sup>th</sup> set: N = 1 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p>		<p><b>Practicum Paper</b> 8<sup>th</sup> set: N = 6 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p> <p><b>Portfolio</b> 8<sup>th</sup> set: N = 6 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p>
<p><b>Set 9 – 8/26/18 – 12/31/18</b></p>	<p>9<sup>th</sup> set: N = 2 Mean 3 0% beginning; 0% developing; 100% advancing; 0% proficient</p>						<p>9<sup>th</sup> set: N = 2 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p>		<p><b>Practicum Paper</b> 9<sup>th</sup> set: N = 3 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p> <p><b>Portfolio</b></p>

									<p>9<sup>th</sup> set: N = 3 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p>
<p><b>3. Demonstrate knowledge of and skill in the implementation of a public health program that reflects communication, leadership and advocacy skills.</b></p> <p><b>Expectations: (3/02/2015)</b> <b>Set 1 – 3/2/15-11/1/15</b> Spring B 2015 Summer A 2015</p> <p><b>Set 2 – 1/1/16 – 10/24/16</b></p> <p><b>Set 3 – 8/29/16 – 12/31/16</b></p> <p><b>Set 4 – 1/1/17 – 5/3/17</b></p> <p><b>Set 5 – 5/5/17 – 8/25/17</b></p>			<p>Capstone Screening Project</p> <p>2<sup>nd</sup> set: N = 10 Mean 2.6 0% beginning; 40% developing; 60% advancing; 0% proficient</p>	<p>Research Paper</p> <p>2<sup>nd</sup> set: N = 10 Mean 2.6 0% beginning; 40% developing; 60% advancing; 0% proficient</p> <p>3<sup>rd</sup> set: N = 5 Mean 2.6 0% beginning; 40% developing; 60% advancing; 0% proficient</p> <p>4<sup>th</sup> set: N = 6 Mean 2.33 17% beginning; 33% developing; 50% advancing; 0% proficient</p> <p>5<sup>th</sup> set: N = 6 Mean 2.5 0% beginning; 50% developing;</p>					<p>Portfolio</p> <p>6<sup>th</sup> set: N = 6 Mean 3.83 0% beginning; 0% developing; 17% advancing; 83% proficient</p> <p>Practicum Paper</p> <p>6<sup>th</sup> set: N = 8 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p>

<p><b>Set 6 – 8/31/17 – 12/31/17</b></p> <p><b>Set 7 – 1/1/18 – 5/11/18</b></p> <p><b>Set 8 – 4/30/18 – 8/18/18</b></p> <p><b>Set 9 – 8/26/18 – 12/31/18</b></p>				<p>50% advancing; 0% proficient</p> <p>7<sup>th</sup> set: N = 1 Mean 2 0% beginning; 100% developing; 0% advancing; 0% proficient</p> <p>8<sup>th</sup> set: N = 7 Mean 2.57 0% beginning; 43% developing; 57% advancing; 0% proficient</p>					<p>7<sup>th</sup> set: N = 1 Mean 4 0% beginning; 0% developing; 30% advancing; 100% proficient</p> <p><b>Practicum Paper</b> 8<sup>th</sup> set: N = 6 Mean 3.83 0% beginning; 0% developing; 17% advancing; 83% proficient</p> <p><b>Portfolio</b> 8<sup>th</sup> set: N = 6 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p> <p><b>Practicum Paper</b> 9<sup>th</sup> set: N = 3 Mean 4 0% beginning; 0% developing; 0% advancing;</p>
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									100% proficient  <b>Portfolio</b> 9 <sup>th</sup> set: N = 3 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient
<p><b>4. Demonstrate knowledge of and skill in the critical review, analysis, application of findings and recommendations from medical and public health literature and research.</b></p> <p><b>Expectations:</b> Mean 2</p> <p><b>Set 1 – 3/2/15- 11/1/15</b> Spring B 2015 Summer A 2015</p> <p><b>Set 2 – 1/1/16 – 10/24/16</b></p>	<p>Research Paper</p> <p>1<sup>st</sup> set: N=10 Mean 1.6 40% beginning; 60% developing; 0% advancing; 0% proficient</p> <p>2<sup>nd</sup> set: N = 7 Mean 1.43 57% beginning; 43% developing; 0% advancing; 0% proficient</p> <p>3<sup>rd</sup> set: N = 5 Mean 2 20% beginning; 60% developing;</p>	<p>Final Assignment</p> <p>2<sup>nd</sup> set: N = 10 Mean 2.4 20% beginning; 30% developing ; 40% advancing; 10% proficient</p> <p>3<sup>rd</sup> set: N = 6 Mean 2.83 0% beginning; 17% developing ; 83% advancing; 0% proficient</p> <p>4<sup>th</sup> set: N = 6 Mean 2.67 17% beginning; 33%</p>	<p>Capstone Screening Project</p> <p>2<sup>nd</sup> set: N = 10 Mean 2.9 0% beginning; 40% developing; 30% advancing; 30% proficient</p>	<p>Research Paper</p> <p>2<sup>nd</sup> set: N = 10 Mean 2.7 0% beginning; 30% developing; 70% advancing; 0% proficient</p> <p>3<sup>rd</sup> set: N = 5 Mean 2.2 40% beginning; 0% developing; 60% advancing; 0% proficient</p> <p>4<sup>th</sup> set: N = 6 Mean 2.67 17% beginning; 17% developing; 50% advancing;</p>	<p>Prezi Project</p> <p>2<sup>nd</sup> set: N = 10 Mean 2 40% beginning; 20% developing; 40% advancing; 0% proficient</p> <p>3<sup>rd</sup> set: N = 5 Mean 2 0% beginning; 100% developing; 0% advancing; 0% proficient</p>	<p>Communicating Your Message Paper</p> <p>2<sup>nd</sup> set: N = 5 Mean 2.4 20% beginning; 20% developing; 60% advancing; 0% proficient</p> <p>3<sup>rd</sup> set: N = 8 Mean 2.63 0% beginning; 38% developing; 63% advancing; 0% proficient</p> <p>4<sup>th</sup> set: N = 6 Mean 2.83 0% beginning; 50% developing;</p>	<p>Systematic Review Proposal</p> <p>3<sup>rd</sup> set: N = 2 Mean 3 0% beginning; 50% developing; 0% advancing; 50% proficient</p> <p>4<sup>th</sup> set: N = 8 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p> <p>5<sup>th</sup> set: N = 8 Mean 4 0% beginning;</p>	<p>Systematic Review</p> <p>5<sup>th</sup> set: N = 4 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p>	<p>Portfolio</p> <p>6<sup>th</sup> set: N = 6 Mean 3.83 0% beginning; 0% developing; 17% advancing; 83% proficient</p>



<p><b>Set 3 – 8/29/16 – 12/31/16</b></p>	<p>20% advancing; 0% proficient</p>	<p>developing ; 17% advancing; 33% proficient</p>		<p>17% proficient</p>		<p>17% advancing; 33% proficient</p>	<p>0% developing; 0% advancing; 100% proficient</p>		
<p><b>Set 4 – 1/1/17 – 5/3/17</b></p>	<p><b>4<sup>th</sup> set:</b> N = 3 Mean 33% beginning; 0% developing; 0% advancing; 67% proficient</p>	<p><b>5<sup>th</sup> set:</b> N = 1 Mean 3 0% beginning; 0% developing ; 100% advancing; 0% proficient</p>		<p><b>5<sup>th</sup> set:</b> N = 6 Mean 2.83 0% beginning; 33% developing; 50% advancing; 17% proficient</p>		<p><b>5<sup>th</sup> set:</b> N = 3 Mean 2.33 0% beginning; 67% developing; 33% advancing; 0% proficient</p>			
<p><b>Set 5 – 5/5/17 – 8/25/17</b></p>	<p>0% developing; 0% advancing; 67% proficient</p>	<p>0% beginning; 0% developing ; 100% advancing; 0% proficient</p>				<p>0% beginning; 67% developing; 33% advancing; 0% proficient</p>			
<p><b>Set 6 – 8/31/17 – 12/31/17</b></p>	<p><b>6<sup>th</sup> set:</b> N = 5 Mean 2.6 0% beginning; 40% developing; 60% advancing; 0% proficient</p>			<p><b>6<sup>th</sup> set:</b> N = 5 Mean 2.83 0% beginning; 17% developing; 83% advancing; 0% proficient</p>	<p><b>6<sup>th</sup> set:</b> N = 2 Mean 2.5 0% beginning; 50% developing; 50% advancing; 0% proficient</p>	<p><b>6<sup>th</sup> set:</b> N = 5 Mean 3 0% beginning; 40% developing; 20% advancing; 40% proficient</p>	<p><b>6<sup>th</sup> set:</b> N = 5 Mean 3.8 0% beginning; 10% developing; 0% advancing; 90% proficient</p>	<p><b>6<sup>th</sup> set:</b> N = 10 Mean 3.8 0% beginning; 10% developing; 0% advancing; 90% proficient</p>	
<p><b>Set 7 – 1/1/18 – 5/11/18</b></p>	<p><b>7<sup>th</sup> set:</b> N = 1 Mean 3 0% beginning; 0% developing; 100% advancing; 0% proficient</p>	<p><b>7<sup>th</sup> set:</b> N = 7 Mean 2.71 0% beginning; 29% developing ; 71% advancing; 0% proficient</p>		<p><b>7<sup>th</sup> set:</b> N = 1 Mean 2 0% beginning; 100% developing; 0% advancing; 0% proficient</p>		<p><b>7<sup>th</sup> set:</b> N = 1 Mean 3 0% beginning; 0% developing; 100% advancing; 0% proficient</p>	<p><b>7<sup>th</sup> set:</b> N = 3 Mean 3.67 0% beginning; 0% developing;33% advancing; 67% proficient</p>	<p><b>7<sup>th</sup> set:</b> N = 1 Mean 4 0% beginning; 0% developing;33% advancing; 100% proficient</p>	
<p><b>Set 8 – 4/30/18 – 8/18/18</b></p>	<p><b>8<sup>th</sup> set:</b> N = 2 Mean 1 100% beginning;</p>			<p><b>8<sup>th</sup> set:</b> N = 7 Mean 2.86 0% beginning; 14% developing;</p>	<p><b>8<sup>th</sup> set:</b> N = 1 Mean 2 0% beginning; 100%</p>	<p><b>8<sup>th</sup> set:</b> N = 7 Mean 2.57 0% beginning; 43% developing;</p>	<p><b>8<sup>th</sup> set:</b> N = 1 Mean 4 0% beginning; 0% developing;</p>	<p><b>8<sup>th</sup> set:</b> N = 5 Mean 4 0% beginning; 0% developing;</p>	<p><b>Portfolio</b> <b>8<sup>th</sup> set:</b> N = 6 Mean 4 0% beginning; 0%</p>

<p><b>Set 9 – 8/26/18 – 12/31/18</b></p>	<p>0% developing; 0% advancing; 0% proficient</p> <p>9<sup>th</sup> set: N = 2 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p>	<p>9<sup>th</sup> set: N = 4 Mean 3 0% beginning; 0% developing; 100% advancing; 0% proficient</p>		<p>86% advancing; 0% proficient</p>	<p>developing; 0% advancing; 0% proficient</p>	<p>57% advancing; 0% proficient</p>	<p>0% advancing; 100% proficient</p> <p>9<sup>th</sup> set: N = 2 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p>	<p>0% advancing; 100% proficient</p>	<p>developing; 0% advancing; 100% proficient</p> <p><b>Practicum Paper</b> 9<sup>th</sup> set: N = 3 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p> <p><b>Portfolio</b> 9<sup>th</sup> set: N = 3 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p>
<p><b>5. Demonstrate knowledge of and skill in the conduct of qualitative and quantitative public health research using proper methodologies</b></p> <p><b>Expectations:</b></p> <p><b>Set 1 – 3/2/15-11/1/15</b> Spring B 2015</p>		<p>Final Assignment</p> <p>2<sup>nd</sup> set: N = 10 Mean 2.4 10% beginning; 40% developing; 50% advancing; 0% proficient</p> <p>3<sup>rd</sup> set: N = 6 Mean 2.83</p>					<p>Systematic Review Proposal</p> <p>3<sup>rd</sup> set: N = 2 Mean 3 0% beginning; 50% developing; 0% advancing; 50% proficient</p> <p>4<sup>th</sup> set: N = 8</p>	<p>Systematic Review</p> <p>5<sup>th</sup> set: N = 4 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p>	<p>Portfolio</p> <p>6<sup>th</sup> set: N = 6 Mean 3.83 0% beginning; 0% developing; 17% advancing; 83% proficient</p>

<p>Summer A 2015</p> <p><b>Set 2 – 1/1/16 – 10/24/16</b></p> <p><b>Set 3 – 8/29/16 – 12/31/16</b></p> <p><b>Set 4 – 1/1/17 – 5/3/17</b></p> <p><b>Set 5 – 5/5/17 – 8/25/17</b></p> <p><b>Set 6 – 8/31/17 – 12/31/17</b></p> <p><b>Set 7 – 1/1/18 – 5/11/18</b></p>		<p>0% beginning; 17% developing ; 83% advancing; 0% proficient</p> <p><b>4<sup>th</sup> set:</b> N = 6 Mean 2.83 0% beginning; 33% developing ; 50% advancing; 17% proficient</p> <p><b>5<sup>th</sup> set:</b> N = 1 Mean 3 0% beginning; 0% developing ; 100% advancing; 0% proficient</p> <p><b>7<sup>th</sup> set:</b> N = 7 Mean 2.86 0% beginning; 14% developing ; 86% advancing; 0% proficient</p>					<p>Mean 3.5 0% beginning; 0% developing; 50% advancing; 50% proficient</p> <p><b>5<sup>th</sup> set:</b> N = 8 Mean 3.88 0% beginning; 0% developing; 13% advancing; 88% proficient</p> <p><b>6<sup>th</sup> set:</b> N = 5 Mean 2.8 0% beginning; 40% developing; 40% advancing; 20% proficient</p> <p><b>7<sup>th</sup> set:</b> N = 3 Mean 3 0% beginning; 33% developing; 33% advancing; 33% proficient</p> <p><b>8<sup>th</sup> set:</b></p>	<p><b>6<sup>th</sup> set:</b> N = 10 Mean 3.8 0% beginning; 0% developing; 20% advancing; 80% proficient</p> <p><b>7<sup>th</sup> set:</b> N = 1 Mean 4 0% beginning; 0% developing; 33% advancing; 100% proficient</p> <p><b>8<sup>th</sup> set:</b> N = 5</p>	<p><b>Portfolio</b> <b>8<sup>th</sup> set:</b></p>
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<p><b>Expectations:</b></p> <p><b>Set 1 – 3/2/15-11/1/15</b> Spring B 2015 Summer A 2015</p> <p><b>Set 2 – 1/1/16 – 10/24/16</b></p> <p><b>Set 3 – 8/29/16 – 12/31/16</b></p> <p><b>Set 4 – 1/1/17 – 5/3/17</b></p> <p><b>Set 5 – 5/5/17 – 8/25/17</b></p> <p><b>Set 6 – 8/31/17 – 12/31/17</b></p> <p><b>Set 7 – 1/1/18 – 5/11/18</b></p>				<p>Mean 2.4 20% beginning; 20% developing; 60% advancing; 0% proficient</p> <p>4<sup>th</sup> set: N = 6 Mean 2.5 17% beginning; 17% developing; 67% advancing; 0% proficient</p> <p>5<sup>th</sup> set: N = 6 Mean 2.33 0% beginning; 67% developing; 33% advancing; 0% proficient</p>			<p>4<sup>th</sup> set: N = 8 Mean 3.75 0% beginning; 0% developing; 25% advancing; 75% proficient</p> <p>5<sup>th</sup> set: N = 8 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p> <p>6<sup>th</sup> set: N = 5 Mean 3 0% beginning; 20% developing; 60% advancing; 20% proficient</p> <p>7<sup>th</sup> set: N = 3 Mean 3.67 0% beginning; 0% developing; 33% advancing; 67% proficient</p>	<p>6<sup>th</sup> set: N = 10 Mean 3.9 0% beginning; 0% developing; 10% advancing; 90% proficient</p> <p>7<sup>th</sup> set: N = 1 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p>	<p>6<sup>th</sup> set: N = 8 Mean 4 0% beginning; 0% developing; 0% advancing; 100% proficient</p> <p>7<sup>th</sup> set: N = 1 Mean 4 0% beginning; 0% developing; 30% advancing; 100% proficient</p>
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### Data results:

- **Set 1 – 3/2/15-11/1/15** data collection
  - January 2016 by outcomes
- **Set 2 – 1/1/16 – 10/24/16** data collection
  - March 2017 by outcomes
- **Set 3 – 8/29/16 – 12/31/16** data collection
  - September 2017 by outcomes
- **Set 4 – 1/1/17 – 5/3/17**
  - December 2017 by outcomes
- **Set 5 – 5/5/17 – 8/25/17**
  - January 2018 by outcomes
- **Set 6 – 8/31/17 – 12/31/17**
  - August 2018 by outcomes
- **Set 7 – 1/1/18 – 5/11/18**
  - October 2018 by outcomes
- **Set 8 – 4/30/18 – 8/18/18**
  - January 2019 by outcomes
- **Set 9 – 8/26/18 – 12/31/18**
  - March 2019 by outcomes

### Plan of Action:

**Set 1 – 3/2/15-11/1/15** – MPH 500 - Overall, scores seemed reasonable considering it was the first class in the program. Assignment clarification needs to be given to include the health policy domain in the research paper as that was an area that lacked in depth for many artifacts (Program Outcome #1). Library resources, how to find peer reviewed journal article, and APA review needed (Program Outcome #4). MPH 500 was recently revised to improve in all of these areas. In addition, we've added more library and APA resources in the New Student Orientation and the resources page for all students.

**Set 2 – 1/1/16 – 10/24/16** – Continue to evaluate over next few months and compare to Set 3.

**Set 3 – 8/29/16 – 12/31/16** - Continue to evaluate over next few months and compare to Set 4. Additionally, Program Outcome #4 (critical review, analysis, application of findings and recommendations from medical and public health literature and research) continues to be lower than desired. By the time a student reaches MPH 530, 100% of them should be “developing” or “advancing”. Our sample size was small (n=2), but 50% (1 student) did not reach this level. This will be closely monitored moving forward. Additionally, resources were added to Week 1 of all courses to help familiarize students with library resources, how to use Concordia’s online library database, and the contact information for our Concordia Reference and Instruction Librarian. The hope is that Program Outcome #4 will improve in all classes.

**Set 4 – 1/1/17 – 5/3/17** – Program Outcome #4 improved in 4 of the 5 courses evaluated after changes made to week 1 of all the courses. (See set 3 Plan of Action.) An improvement was also seen in Program Outcome #5 which was also related to the changes made in set 3. Will continue to evaluate and monitor over the next few months for comparison.

**Set 5 – 5/5/17 – 8/25/17** – All outcomes in MPH 530 improved. Was it a strong cohort? Was the difference due to the instructor (Dr. Vicki Boye) and their expectations during the revision process during the course? Will continue to evaluate and monitor over the next few months for comparison.

**Set 6 – 8/31/17 – 12/31/17** – Outcomes in MPH 530 are lower again. Differences in Set 5 are likely due to lack of interrater reliability. I’ve talked with Dr. Boye and we are working on putting together a meeting for all instructors who teach the 530/598 research sequence to discuss writing expectations and to share instructor experiences in the course in hopes of raising the standards/expectations for student research writing in the future. UPDATE (10/10/18): Meeting scheduled

Outcomes in MPH 599 are high. However, in the student program evaluation survey, a couple students have expressed the need to cover grant writing in the program. This topic is covered in MPH 546 for the HPA concentration, but not CH concentration. The MPH PD is looking for ways to incorporate grant writing into the professional development portion of MPH 599. Grant writing knowledge is important to potential employers as grant writing is often essential and important for public health funding. UPDATE (10/1/18): MIT Grant Writing Certification and discussion question were built into MPH 599 Fall 2018.

**Set 7 – 1/1/18 – 5/11/18** – Very small number of samples to evaluate this term. No concerns at this time to address, but will continue to evaluate moving forward.



**Set 8 – 4/30/18 – 8/18/18** - Very small number of samples to evaluate this term. No concerns at this time to address, but will continue to evaluate moving forward.

**Set 9 – 8/26/18 – 12/31/18** – No concerns to address at this time.

**MPH Program Review Assessment Reflection – 4/25/19** - Over the past year, there has been a significant decline in students and course offerings and therefore, samples to evaluate. The only real change to the curriculum (beyond normal textbook updates and refreshes) has been to add a module on grant writing in MPH 599. This change was made due to student feedback received from the practicum work summary questions and end of program evaluations. Last fall, I also gathered together instructors who taught the research series, MPH 530/598, to discuss writing expectations and to share instructor experiences in the course in hopes of raising the standard/expectations for student research writing in the future. Moving forward, I would encourage the new PD to continue regularly working with 530/598 instructors on this issue to maintain consistency. Additionally, courses should continue to regularly be revised and refreshed as needed. By June 30, 2019 the following courses will have been revised/refreshed within the past year: MPH 500, 505, 510, 515, 520, 525. Moving into 19/20 academic year, I would suggest a refresh of all of the specialization courses followed by MPH 530, 598, and 599 being refreshed in 20/21. Although there have been minimal concerns to address, evaluation should continue as we move into the future and the field of public health changes.

**Budget Implications:**

**Set 1 – 3/2/15-11/1/15** – MPH 500 - Revised MPH 500 (\$450)

**Set 2 – 1/1/16 – 10/24/16** - None

**Set 3 – 8/29/16 – 12/31/16** – None

**Set 4 – 1/1/17 – 5/3/17** - None

**Set 5 – 5/5/17 – 8/25/17** – None

**Set 6 – 8/31/17 – 12/31/17** – None

**Set 7 – 1/1/18 – 5/11/18** – None

**Set 8 – 4/30/18 – 8/18/18** – None

**Set 9 – 8/26/18 – 12/31/18 - None**