

## Achieving the Dream: Mathematics Initiative Logic Model

1 April 2010

| Work Plan   | Sub steps remaining   | Who Has Action                          | Completion Date | Estimated Expenses    | Outcome   |
|---|---|---|-----------------|-----------------------|---|
| 1.1<br>Develop an IA final for use in pre/post testing              | Meet with math faculty                                      | Simms<br>Colananni<br>Reed              | Sept. 2, 2008   | \$0.00                | Decision to use Compass for post testing only   |
| 1.2<br>Administer the above exam as a post test for all IA sections | 1.2a – Make sure Compass software loaded in computer lab.   | Simms<br>Kesterson                      | Sept. 3, 2008   | \$0.00                | This is an ongoing action that is going to be important information not only to AtD but concerning ACT 971 as well. |
|   | 1.2b – Setup Compass account for Vickie Walker              | Kesterson<br>Walker                     | Sept. 17, 2008  | \$0.00                |   |
|   | 1.2c – Contact instructors regarding policy                 | Simms                                   | Sept. 10, 2008  | \$0.00                |   |
|   | 1.2d – Construct policy handout                             | Simms                                   | Jan. 2009       | \$0.00                |   |
|   | 1.2e – Administer Compass as student completes course work. | Simms<br>Colananni<br>Reed<br>Blackerby | Ongoing         | \$100.00 per semester |   |

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| 1.3<br>Implement alternative delivery methods-(1) extended session Math Lab (2) traditional classroom (3) developed a Hybrid section                            | 1.3a – Extended Session Math Lab  | Simms                      | Ongoing                           | \$2,500.00/Sem (08/09)<br>\$1,500/Sem (09/10) | Only charging AtD for the “extra” time at \$500 per class. |
|   | 1.3b – Traditional Classroom  | Colananni                  | Ongoing                           | \$2,000.00/Sem (08/09)<br>\$2,000/Sem (09/10) | Charged AtD for the entire cost of class.                  |
|   | 1.3c – Hybrid (traditional lecture w/math lab testing)  | Reed                       | Implemented Fall 2009-<br>Ongoing | \$2,000/Sem Fall and Spring                   | Charged AtD for the entire cost of class.                  |
| 1.4<br>Gather and analyze quantitative and qualitative data to assess results- (specifically success rates and student comments on evaluations for each method) | 1.4a – Revise current student evaluation instrument for Math to gather specific information regarding delivery. | Simms<br>Colananni<br>Reed | 9/01/09                           |   | Success rates available in separate document.              |
|   | 1.4b – Administer evaluations   | Simms                      | Currently Ongoing                 |   |  |
|   | 1.4c – Gather data on success rates for comparison  | Simms<br>Kratz             | Ongoing                           |   |  |
|   | 1.4d – Share data with instructors  | Simms                      | Ongoing                           |   |  |
|   | 1.4e – Monitor and adjust   | Simms<br>Colananni<br>Reed | Ongoing                           |   | Curriculum Mapping in regards to COMPASS- Spring 2010      |

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| <p>1.5<br/>Possible expansion of successful delivery methods (pilot extended session with traditional delivery)</p> | <p>1.5a – Schedule fall ‘09/Spring 2010 IA classes based on data results</p> <p>1.5b – Research other successful delivery methods through AtD conferences and other sources</p> <p>1.5c – Pilot delivery methods we believe will benefit OTC students (Hybrid course)</p> | <p>Simms</p> <p>Simms<br/>Colananni<br/>Reed</p> <p>Simms<br/>Colananni<br/>Reed</p> | <p>3/01/09 and 9/25/09</p> <p>Ongoing: Simms goes to annual AtD conferences 5/01/09<br/>Reed research Supplemental Instruction model.</p> | <p>\$0.00</p> <p>Included in AtD budget.</p> <p>\$2,000/Fall 09 (1 section)<br/>\$4,000 Sp 10 (2 sections)</p> | <p>1 Section cancelled-low enrollment. Data from F09 indicate a 30.77%</p>   |
| <p>1.6<br/>Build on IA strategies that suggest promising results</p>  | <p>1.6a – Review data and expand successful strategies</p> <p>1.6b – Following Strategy Institute and regarding Act 971-Curriculum Mapping of IA with CA and COMPASS (also BM and BA)</p>   | <p>Simms<br/>Colananni<br/>Reed</p>  | <p>Ongoing</p> <p>Meetings held: Jan 22, Jan 26, Feb 16, March 5, March 16, March 30, April 6</p>   | <p>\$0.00</p>  | <p>Preliminary results of hybrid course are not promising (Fall 09 success rate 30.77%)<br/>Reduced number of lessons in IA by 4 plus a review and a test including the addition of lessons for COMPASS.</p> |
| <p>1.7<br/>Incorporate IA strategies into annual operation plan</p>   | <p>1.7a – Work out scheduling challenges</p> <p>1.7b – Institute “new” curriculum in all IA sections F2010.</p>   | <p>Simms</p> <p>All Math<br/>Faculty</p>   | <p>Ongoing</p> <p>Summer I 2010</p>   | <p>\$0.00</p>  |  |

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| <p>1.8<br/>Engage stakeholders through focus groups and communication concerning this priority</p> | <p>1.8a – Publish results of pilot sections<br/><br/>1.8b – Conduct focus groups regarding math delivery</p> | <p>Simms<br/>Thompson<br/>Prince<br/>Seals<br/>Colananni</p> | <p>Ongoing<br/><br/>Have not conducted Focus Groups yet.</p> |   | <p>See communications report-Sharon Seals<br/><br/>We are using a revised student evaluation of the lab for student input. Spring 2010 priority: Focus group with students in Hybrid sections (this is the only truly “new” delivery and needs more data from students)</p> |
| <p>1.9<br/>Refine annual budget to support continued improvement in this initiative</p>            | <p>1.9a – Incorporate costs into annual budget.</p>  | <p>Simms<br/>Ballard<br/>Coomer</p>                          | <p>Ongoing</p>   | <p>Any costs associated with expansion of successful methods would be offset by not offering other methods.</p> |   |