

## Math 4 Vets LEAP Action Summary

<b>LEAP Workshop Year:</b> AY 2014-2015 <b>Action dates:</b> Summer 2014-Spring 2014	<b>For more information, contact:</b> Maureen Vandervest, x1570, <a href="mailto:vanderm@uww.edu">vanderm@uww.edu</a>
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<b>General Goal:</b>	
Establish a new, research-based mode of delivery for a Veterans-only section of Math 041 and 141. Provide tutors, training and support to Veterans (ideally from Veterans). Maintain research-based mode of delivery for a Veterans-only section of Math 041 & 141.	
<b>Planned Actions:</b>	
<ul style="list-style-type: none"> <li>• Develop and conduct a survey regarding veterans' experiences with math.</li> <li>• Research different pedagogical approaches and High Impact Practices which have shown to be effective or are promising in helping our student Veterans succeed in Math 041 and 141.</li> <li>• Provide instructor(s) with information on issues facing our student Veterans and opportunities to receive additional training.</li> <li>• Recruit and train tutors – ideally student Veterans – to provide support both in and out of the classroom.</li> <li>• Pilot Math 041 in Fall 2014 and Math 141 in Spring 2015, implementing and assessing the effectiveness of these approaches.</li> <li>• Analyze grade results of Math 041/141 from Spring and Summer 2014.</li> <li>• Continue to research the obstacles which military students face in learning math and the approaches they employ to overcome those obstacles.</li> <li>• Create a follow-up survey to use in determining the effectiveness of the approaches, tools, and strategies employed in Math 041.</li> <li>• Conduct a follow-up focus group to evaluate program and future needs.</li> <li>• Finalize teaching strategies and tools to be used in military section of Math 141 in Spring 2015</li> </ul>	
<b>Deliverables, Completed Actions:</b>	
<ul style="list-style-type: none"> <li>• <b>Scheduled dedicated military sections of Math 041 for Fall 2014 and Math 141 for Spring 2015.</b></li> <li>• <b>Chose instructor(s) for the sections and will provide them both with information on issues facing our student Veterans.</b></li> <li>• <b>The survey IRB was approved by the Office of Research and Sponsored programs on</b></li> </ul>	

**April 28th, 2014. The focus group IRB was approved as well.**

- **The survey was created and sent to all Veteran and military students, which provided data related to contributors or obstacles to success.**
- **Dr. Leda Nath has five confirmed volunteers and is currently in the process of scheduling the focus group.**

**Notes:**

- Actual Barriers:
  - The rate to the survey was lower than anticipated. As of June 3, 2014, there were 55 respondents, which equates to a response rate of approximately 13.9%. End of semester processes in the Registrar's Office delayed the collection of data.
  - It was difficult to find participants for the focus group. As of June 3<sup>rd</sup>, 2014, we have five volunteers for the group and Dr. Leda Nath informed us that she was moving forward with that number.
- Continued Barriers
  - Recruiting additional tutors in mathematics who are also Veterans.