

**QEP Evaluation Update**  
**Assessment of Students' Attitudes Toward Mathematics**

**Question:** Do students' attitudes toward mathematics improve after taking MAT0020 or MAT0024 with student success modules embedded into MyMathlab?

**Method:** A Math Attitude survey was administered to students at the beginning and at the end of randomly selected MAT0020 and MAT0024 classes to assess potential changes related to the Learning Style Inventory and the new Student Success modules that were developed by faculty and added to MyMathlab. The survey is part of the QEP assessment plan and is focused on two strategies: 1) Provide mathematics success skills training for students repeating MAT0020 and MAT0024; and 2) Provide mathematics faculty training on accommodating different learning styles.

**Findings:** There is no significant difference between the Math Attitude Survey results at the beginning and end of the term in which Student Success modules are used.\*

Math Attitude Survey Results Spring 2010					
Factor	Pre-MAT0020		Post-MAT0020		Pre-Post
	Mean	STD	Mean	STD	
Confidence/Enjoyment	2.57	0.57	2.53	0.67	-.04
Importance/Value	3.10	0.46	3.01	0.50	-.09
Mathematical Thinking	2.88	0.50	3.01	0.53	.13
Overall	2.83	0.40	2.81	0.46	-.02
Total students matched	139				

Math Attitude Survey Results Spring 2010					
Factor	Pre-MAT0024		Post-MAT0024		Pre-Post
	Mean	STD	Mean	STD	
Confidence/Enjoyment	2.60	0.59	2.55	0.66	-.05
Importance/Value	2.95	0.49	3.07	0.51	.12
Mathematical Thinking	2.85	0.48	2.98	0.53	.13
Overall	2.78	0.41	2.83	0.49	.05
Total students matched	140				

\*Significance testing conducted using t-test at  $p < .05$ .

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 July 2, 2010