MICS GE Learning Data 30-May-14

		Students will be able to	Students will be able it	Students will be able to
		formulate a mathematical	solve non-routine problems	
		model from a verbal	using logic and quantitative	
-	I	description of a problem.	techniques.	computational techniques.
MTH144	Spring 2010	3.27	3.17	3.37
MTH144	Spring 2011	2.05	1.88	3.10
MTH144	Summer 2011	3.67	2.83	3.50
MTH144	Spring 2012	1.79	2.77	3.46
MTH144	Spring 2013	3.68	2.66	3.24
MTH144	Spring 2014	2.19	2.80	3.93
MTH164	Fall 2009	2.92	2.85	1.62
MTH164	Fall 2010	2.48	2.52	1.24
MTH164	Fall 2011	1.30	2.93	3.02
MTH164	Fall 2012	3.50	3.28	3.80
MTH164	Fall 2013	3.35	2.80	3.68
MTH303	Fall 2007	2.19	3.14	2.22
MTH303	Spring 2008	3.32	2.82	3.42
MTH303	Fall 2008	3.63	3.30	3.50
MTH303	Spring 2009	3.37	3.07	2.93
MTH303	Fall 2009	2.78	2.78	3.22
MTH303	Spring 2010	3.16	3.26	3.61
MTH303	Fall 2010	3.28	2.73	3.55
MTH303	Spring 2011	2.66	2.79	2.96
MTH303	Fall 2011	3.02	3.23	3.25
MTH303	Spring 2012	2.69	2.95	2.71
MTH303	Fall 2012	3.22	2.70	2.48
MTH303	Spring 2013	3.54	2.89	2.74
MTH303	Fall 2013	2.95	2.97	2.93
MTH303	Spring 2014	2.85	2.65	2.83

Scale Used:

- 0 Unsatisfactory Completely Incorrect
- 1 Low Satisfactory Missed more than one key concept or step
- 2 Satisfactory Missed one key concept or step
- 3 High Satisfactory Made a minor error
- 4 Outstanding Completely correct

Criteria for Success: Average sample score of 2.5 or higher for each problem

Comments:

The question that we have been using to assess #1 for MTH144 and MTH164 has varried over time. It has produced inconsistent results. In 2012 we changed this question to an interest problem which more closely matches one of the questions in the MTH303 assessment for #1.

Some sections of MTH303 were hybrid in the Spring of 2014.