

## Executive Summary- Winter 2003 SLA Program

A total of 68 sections of SLA workshops were offered in 33 courses to 1,368 students during the Winter 2003 semester. Out of the 15 SLA classes with either a control group (non- SLA section with the same professor) or a Department average (multiple sections of the course offered in the Department minus the SLA section), 8 SLA classes (53%) surpassed the control section or department average with a higher pass rate by 10 or more percentage points. Four sections had a lower ACT composite score compared to the control groups/department composite (25%) but achieved outcomes parallel with sections reporting ACT scores 1-5 points higher.

Positive/negative highlights from the Winter 2003 SLA program results include:

- ACCT 201 and ACCT 202 both had strong SLA pass rates compared to their control groups (+18%). The one "F" grade in ACCT 202 SLA section was to a student who never showed up for the course. These two courses have been consistently strong in the SLA pass rates for a couple of years now.
- CHEM 103 continues to show strong improvement with SLA support two semesters in a row (+23 to 25%).
- Many of the SLA courses had students with lower ACT composites than the Department average, yet the SLA sections outpaced the Dept. average most of the time.
- Math 010 had a second semester of all sections designated as SLA support. Pass rate was again at 90-97%. The SLA math 010 eight-year average pass rate has been 67.7% with the non-SLA department average running at 55% pass rate of C- or higher.
- It is interesting to note that when single sections of Math 110 are run with SLA support, the pass rate is so much higher than in the large Math 110 SLA sections. This semester in particular, the single section (section 020) had almost 2 points lower ACT comp, yet did 28% better than the non-SLA Dept. average. The single section of Math 110 in the Fall 2002 semester also had performed much better than the large groups of Math 110. ACT comps are not much higher for the Math 110 students than they were for the Math 010 students.
- The Math 116 & 126 courses, which were not run with SLA in the Fall semester, also showed a dramatic decline in the pass rates, although historically, these two classes, particularly the Math 126 class, have fared quite well with the SLA support.
- The majority of the SLA courses, (except for the upper level Math classes and Phys 211) did quite well in surpassing the control and department averages.
- Math 115 SLA showed a severe decline in the pass rates compared to previous semesters. The ACT comp was about 2 points lower for the SLA students compared to the non-SLA students, which was reflected by the lower pass rate for the SLA sections. Another even more important piece was the fact that the average Math sub score of the Math 115 students was only 16.6 when the

requirement for taking Math 115 is 19- 23. These scores suggest that many of these students may not be prepared to handle the Math 115 even after completing Math 110. A closer look at the students in Math 110 revealed that for those students with a lower Math sub-score, the final grades were much lower. Also if the student had done poorly in Math 110, they invariably did poorly in Math 115 as well. (see chart on next page). It appears that a "C" grade in Math 110 may not be high enough to achieve a passing grade in Math 115.

Math 115 Students Winter 2003 SLA sections 004, 005, 019 N=46

Final grade in Math 115	Math ACT Subscore 12-15	%	Math ACT Subscore 16-18	%	Math ACT Subscore 19-22	%	No ACT score available	%
C-	5/13	39%	9/16	56%	7/11	64%	3/6	50%
F	2/13	15%	4/16	25%	0/11	0%	2/6	33%
W	0/13	0%	1/16	6%	0/11	0%	1/6	17%
C-?	6/13	46%	2/16	13%	4/11	36%	0/6	0%

We also looked at the same 46 students in the Math 115 SLA sections to see if having SLA or not in Math 110 helped them with the Math 115 class

Final grade	No Math 110 **	%	Math 110 w/ no SLA	%	Math 110 with SLA	%
C-?	12/14	86%	7/20	35%	5/12	42%
F	0/14	0%	4/20	20%	4/12	33%
W	0/14	0%	2/20	10%	0/12	0%
C-?	2/14	14%	7/20	35%	3/12	25%

\*\*Students who showed no record of Math 110 on their GRD record were most likely non- traditional students, took Math 110 elsewhere or not required to take Math 110 at FSU