



FOOTHILL COLLEGE

Institutional Research and Planning

DATE: December 11, 2012

TO: Lori Silverman, Instructor, Mathematics

FROM: Elaine Kuo, College Researcher

RE: Math 51 and 49 tracking

Overview

Students enrolled in Math 51 in Fall 2010 or Winter 2011 were identified and tracked to see if they successfully completed Math 49 in the subsequent quarter (Winter 2011 or Spring 2011). These two cohorts were also analyzed to see who were successful in Math 51 and who attempted Math 49.

Some highlights:

- There was an overall 18% success rate among those students who attempted Math 51 and then successfully completed Math 49 in the next quarter.
- There is about a 50% drop at each step from Attempt Math 51 to Pass 51 to Attempt Math 49.
- Roughly 30% of those students who passed Math 51 did not enroll in Math 49 the following quarter.
- Among the students who successfully pass Math 51 and attempt Math 49, about two-thirds pass Math 49.
- About 20% of those students who did not successfully pass Math 51 repeated the course the following quarter.
- The overall pass rate in the Math 48 sequence (that began in 2011-12) is 14%, which is four percentage points lower than the overall pass rate in Math 51-49 in 2010-11 (18%) (refer to 2011-12 Math 48 Tracking for more information).

Methodology

Students who had taken a Math course at Foothill before Fall 2010 or Winter 2011 were excluded from the analysis.

This analysis is based on enrolled in Math 51 and not placement in Math 51.

Source

FHDA IR&P, ODS [Student Course]

2010-11 MATH 51-49 Tracking

Starting Level	Attempt Math 51	Pass 51	Attempt Math 49	Pass 49
Math 51	156	75	42	28
% of starting cohort	100%	48%	27%	18%
% from previous step	---	48%	56%	67%

Tracks students who attempt MATH 51 in F10 or W11 and pass Math 49 by W11 or S11.
 Based on enrollment in MATH 51 and not placement into MATH 51.
 Table includes only those students who were successful at each stage.
 Excludes students who attempted MATH prior to F10 or W11.

Source: FHDA IR&P, ODS

2010-11 MATH 51-49 Tracking

Fall 2010-Winter 2011

Starting Level	F10 Attempt Math 51	Pass 51	W11 Attempt Math 49	Pass 49
Math 51	104	49	27	19
% of starting cohort	100%	47%	26%	18%
% from previous step	---	47%	55%	70%

Tracks students who attempt MATH 51 in F10 and pass Math 49 by W11.

Based on enrollment in MATH 51 and not placement into MATH 51.

Table includes only those students who were successful at each stage.

Excludes students who attempted MATH prior to F10.

Fifteen students who passed MATH 51 did not take a math course in W11.

Seven students who passed MATH 51 enrolled in MATH 1A (1), MATH 1B (1), MATH 10 (4) and MATH 11 (1).

Eleven students who were not successful in MATH 51 in F10 repeated the course in W11; four of these students passed MATH 51 in W11. Three of these 11 students attempted MATH 10 in W11, only one student was successful.

2010-11 MATH 51-49 Tracking

Winter 2011-Spring 2011

Starting Level	W11 Attempt Math 51	Pass 51	S11 Attempt Math 49	Pass 49
Math 51	52	26	15	9
% of starting cohort	100%	50%	29%	17%
% from previous step	---	50%	58%	60%

Tracks students who attempt MATH 51 in W11 and pass Math 49 by S11.

Based on enrollment in MATH 51 and not placement into MATH 51.

Table includes only those students who were successful at each stage.

Excludes students who attempted MATH prior to W11.

Two students attempted MATH 49 even though they were unsuccessful in MATH 51; one student passed Math 49.

Eight students who passed MATH 51 did not take a math course in S11.

Five students who passed MATH 51 enrolled in MATH 1A (1), MATH 10 (3) and MATH 22 (1).

Five students who were not successful in MATH 51 in W11 repeated the course in S11; three of these students passed MATH 51 in S11.