

# Developmental Mathematics

## Mission

Teach:

skills,  
concepts

Foster:

self-confidence,  
+ self-management,  
positive attitude

Model:

study skills,  
+ problem solving,  
critical thinking

= student  
success

*in department courses  
in college-level courses  
as problem solvers  
as critical thinkers*

## Selected Outcome

Students will succeed in the classes they take in the department.

## Means of Assessment

Student pass rate:

C- or better for MAT 800 to 990,  
C or better in MAT 1000 & 1010.

The pass rate is calculated by dividing the number of students with a passing grade by the total number of students, including those who received a W or UW.

## Success Criteria

Target: 65%

For 2006-2008.

## Findings

Pass rates: Fall 2007 – 62%. Spring 2008 – 64%. Summer 2008 – 68%.

Only summer exceeded the target for the pass rate while spring was close. Summer pass rates are typically higher, for reasons we have not yet completely identified. In spring, pass rates tend to be slightly higher than fall perhaps due to the shorter time between classes and slightly different student demographics.

## Implementation and Impact

Concern over pass rates has led to a number of initiatives:

- an experimental intervention program,
- improved Math Pass system,
- improved SLA program,
- faculty development & emphasis on engaged learning,
- increasing ratio of full-time to adjunct-faculty,
- training for campus advisors,
- realignment of MAT courses,
- improved student information on the department web site.

The Fall 2008 pass rates increased to 68%. The target has now been raised to 70%.