



General Education Assessment Mathematics

2020-2021

◆ Mathematics Competency

Courses in the mathematics competency curriculum provides students with basic skills in mathematics and logic. The following are the three Student Learning Outcomes (SLOs) in mathematics competency. Students who have completed the General Education (GE) mathematics competency can:

- Correctly use/interpret mathematical notation and terminology to solve problems,
- Apply general concepts and principles of mathematics to solve various kinds of problems (e.g. use general formulas, recognize general patterns in a collection of problems, apply rules of logic in the process of problem solving),
- Model/solve problems related to applications that describe various phenomena in nature and society.

◆ Sample

Courses	Sections	Total Students	Student Artifacts
3	35	1886	1886

◆ Sample Profile

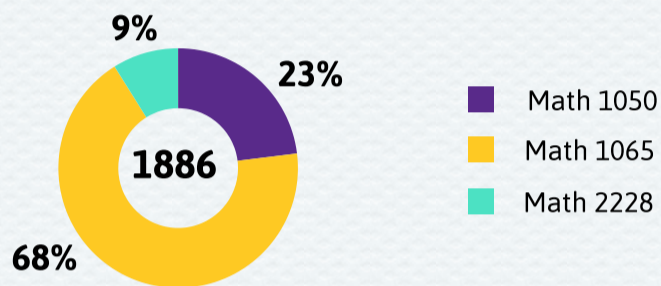


66% of the students are female
88% are Freshman or Sophomore
33% are rural students



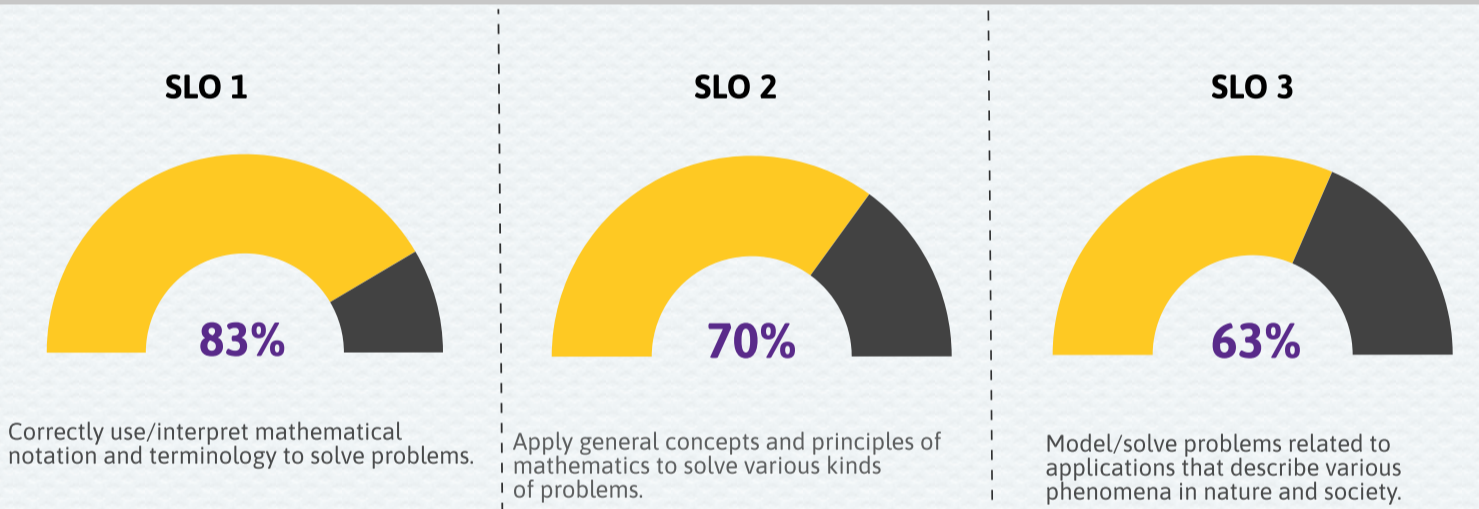
Average weighted HS GPA is 3.7
Average cumulative GPA is 3.3
Average age is 19.3 years

◆ Students Sampled by Course

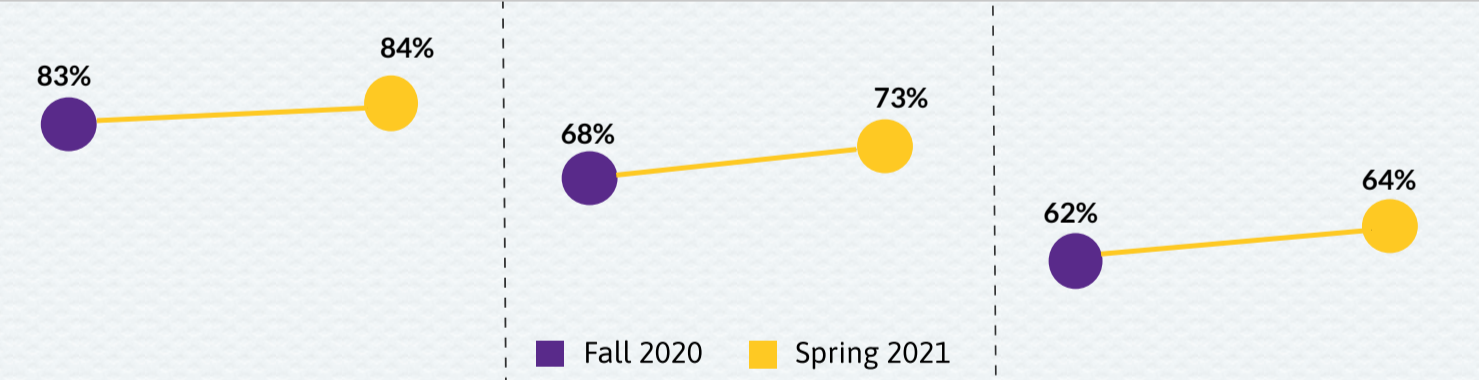


Assessment Results

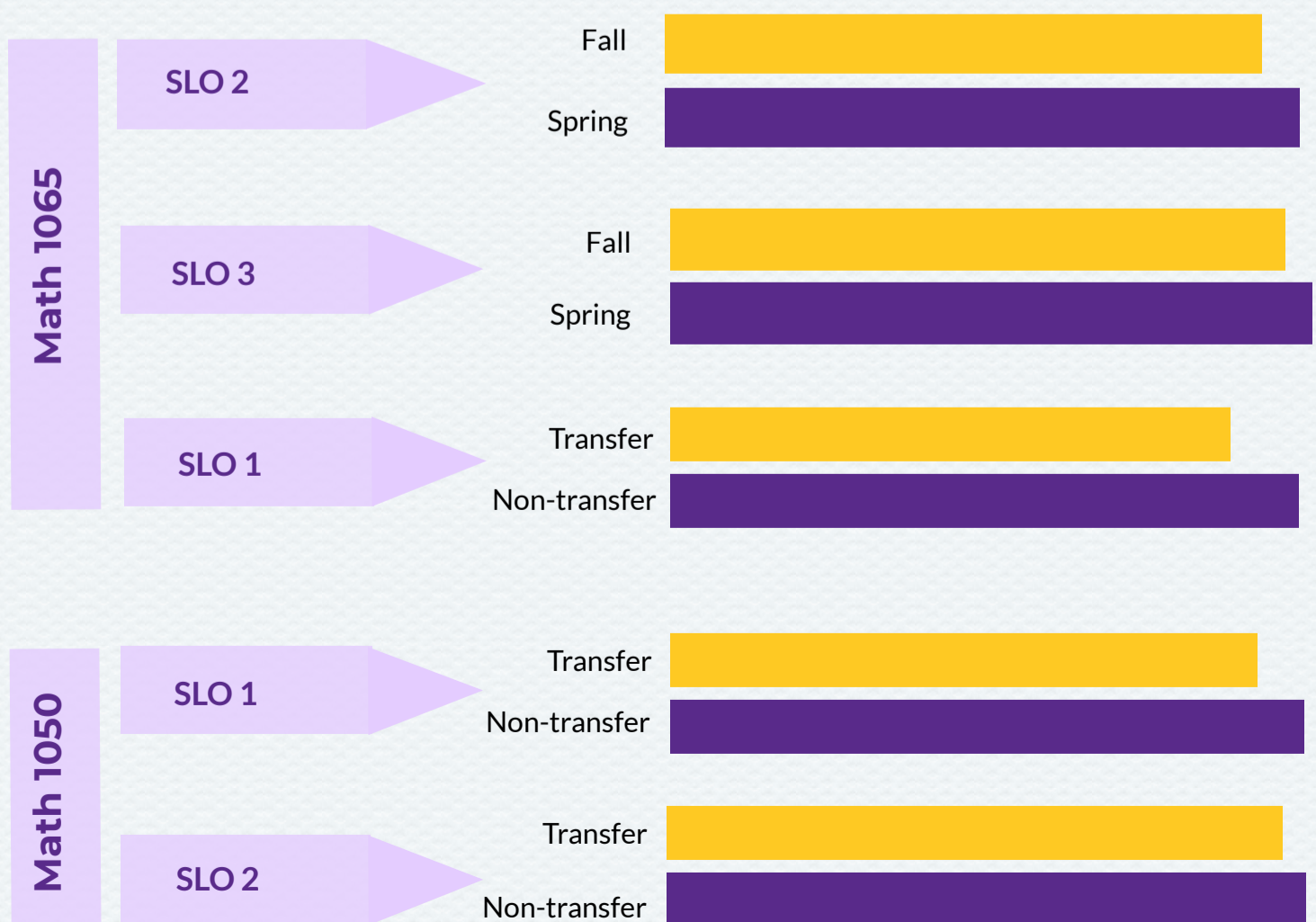
The Percentage of Students Scoring 'Meets Expectation' or Above on Each SLO



The Percentage of Students Scoring 'Meets Expectation' or Above in Fall and Spring



Statistical Analysis Results



■ Statistically significant difference in average exam scores of students, but small effect size