

Analysis of D, F, and W Courses and Student Retake Behavior

Questions

1. What percentage of **students** receive a grade of D, F, or W? Which **courses**?
2. What percentage of **courses** are retaken? And to what extent?
3. Which **courses** are retaken the most by first attempt grade?
4. How do the grades change after retaking a **course**?

Population

- Analyzed fall 2008 cohort data
 - 6 Academic Years
- Limited the student population to:
 - full-time
 - degree-seeking
 - first-time
- Focused on “DFW” Courses
- Total fall 2008 cohort = 2,944
- Total “DFW” headcount = **2,325 (79%)**

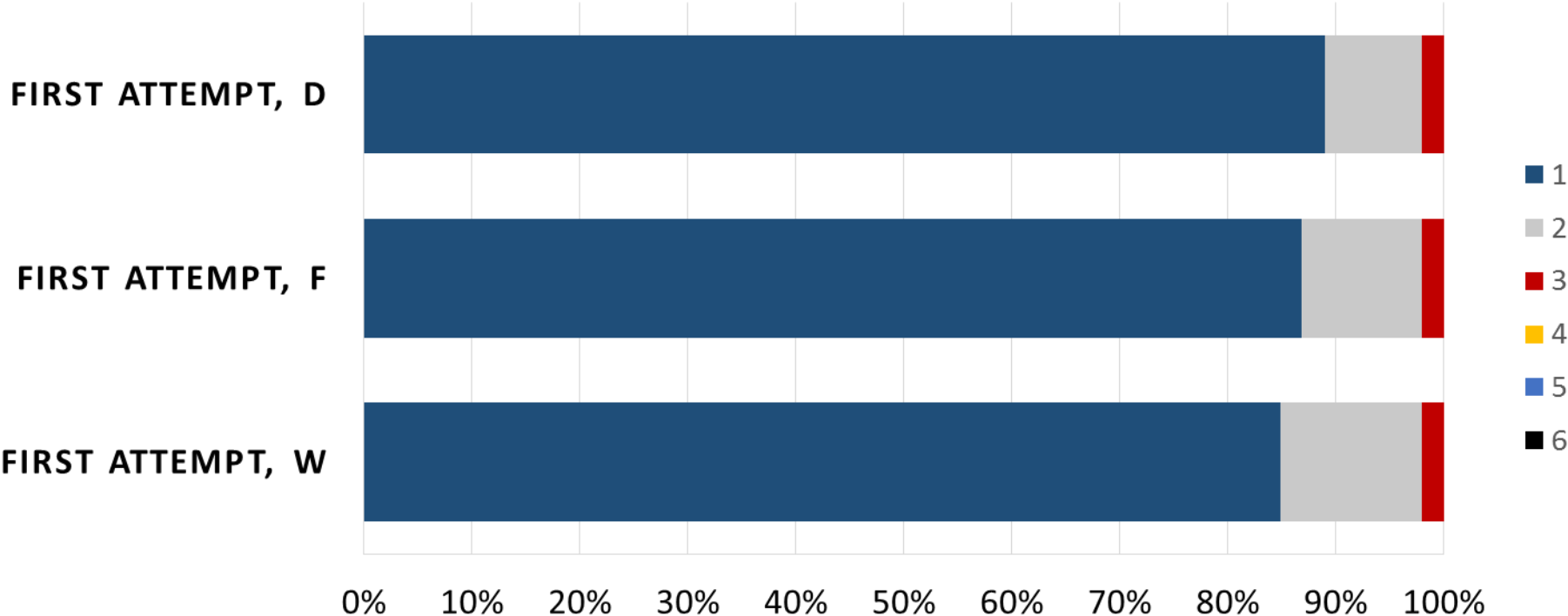
Q1: Percentage of **Students** Receiving Grades of D, F, or W and which **Courses**

	% of Total Cohort
Cohort 2008	(N= 2,944)
Total DFW Students	79%
D first attempt	56%
F first attempt	43%
D and/or F first attempt	66%
W first attempt	50%

Course	Title
CHEM112	General College Chemistry I
ENGL161	Academic Writing II: Writing for Inquiry and Research
CHEM101	Preparatory Chemistry
MATH180	Calculus I
MATH121	Precalculus Mathematics
CHEM114	General College Chemistry II
CHEM232	Organic Chemistry I
CHEM234	Organic Chemistry II
PSCH100	Introduction to Psychology
MATH181	Calculus II

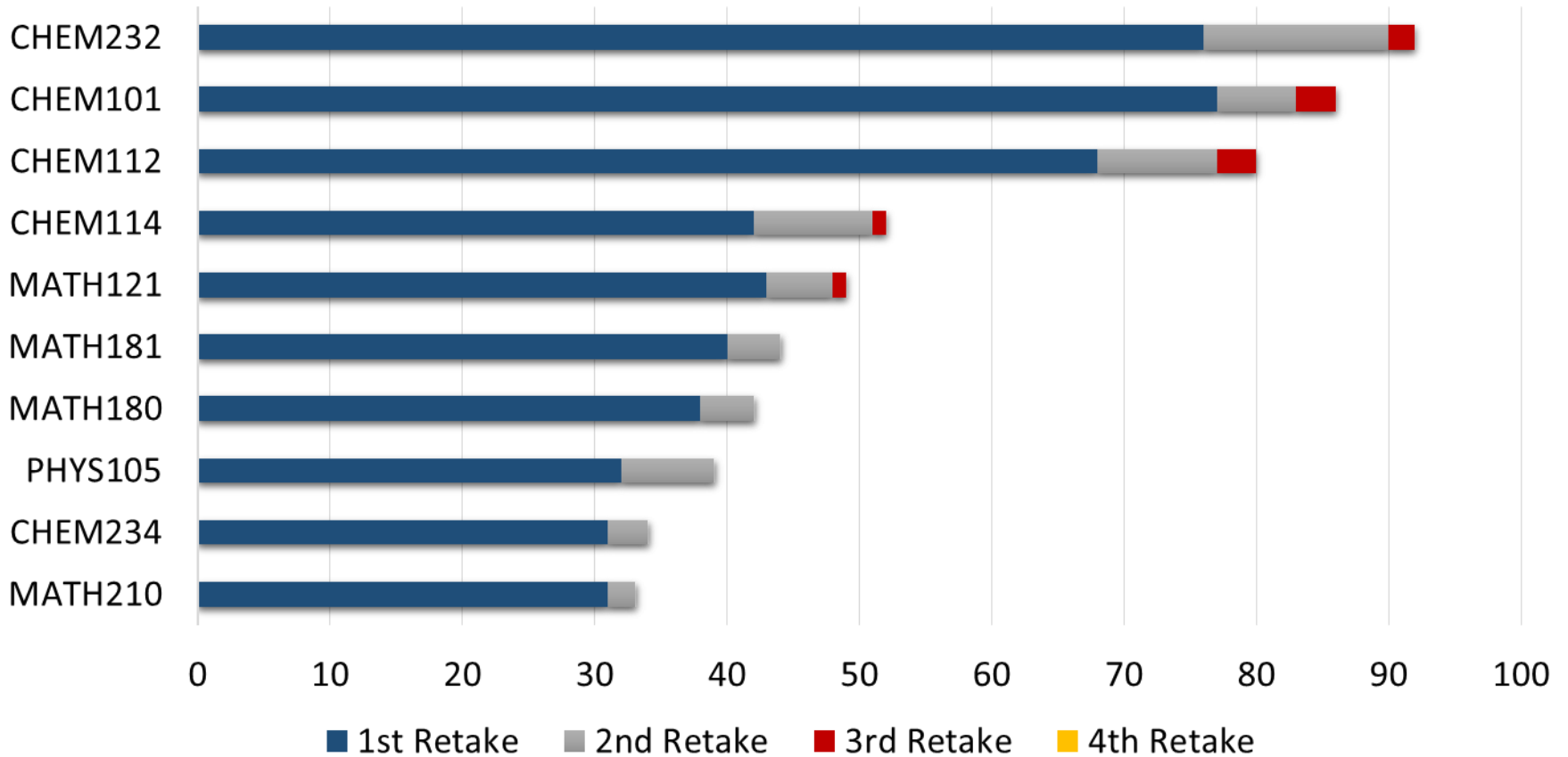
Q2: Percentage of **Courses** Being Retaken and to What Extent

PERCENTAGE OF COURSE RETAKES BY FIRST ATTEMPT GRADE



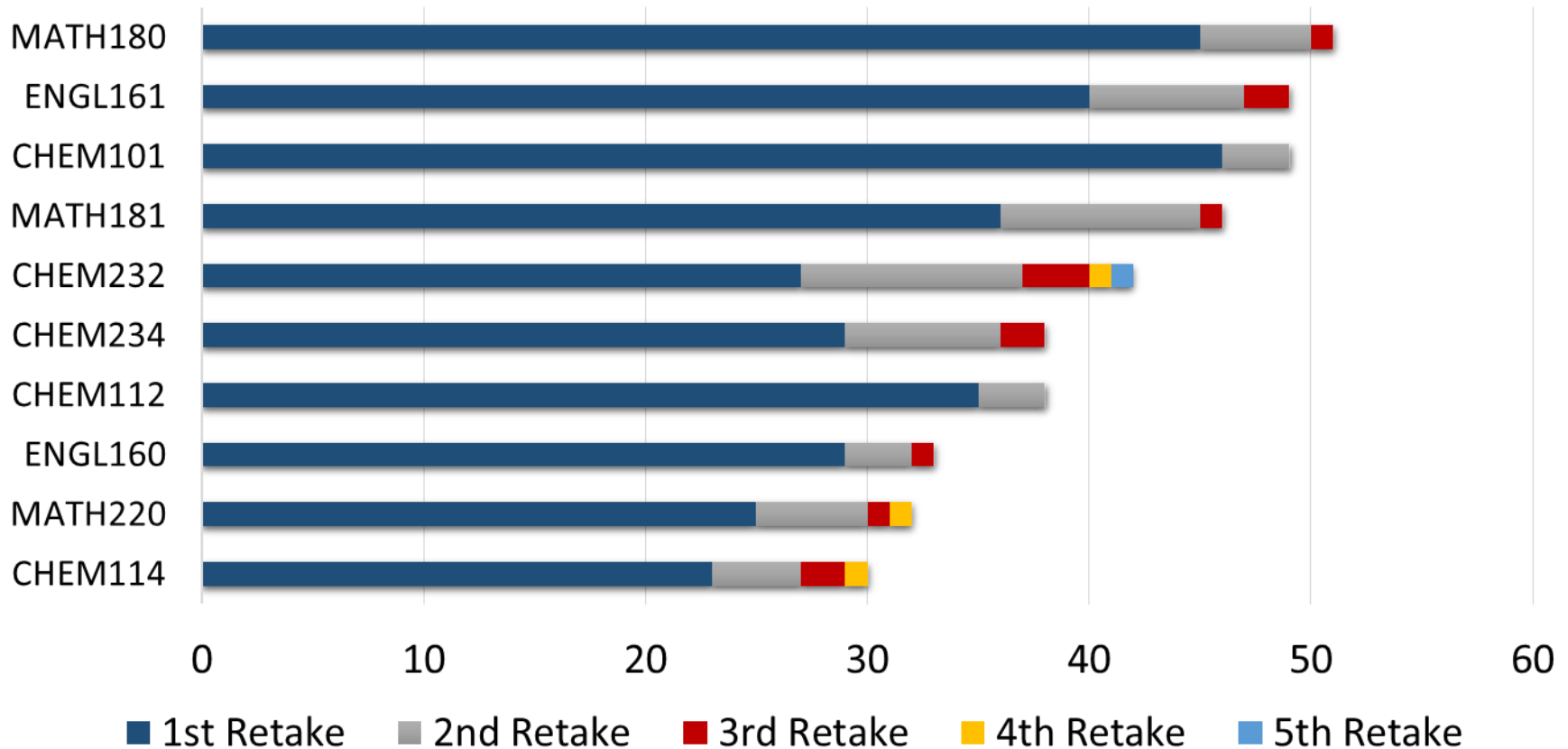
Q3: Top Retaken Courses when Grade Received on First Attempt: D

D on First Attempt by Course Retake



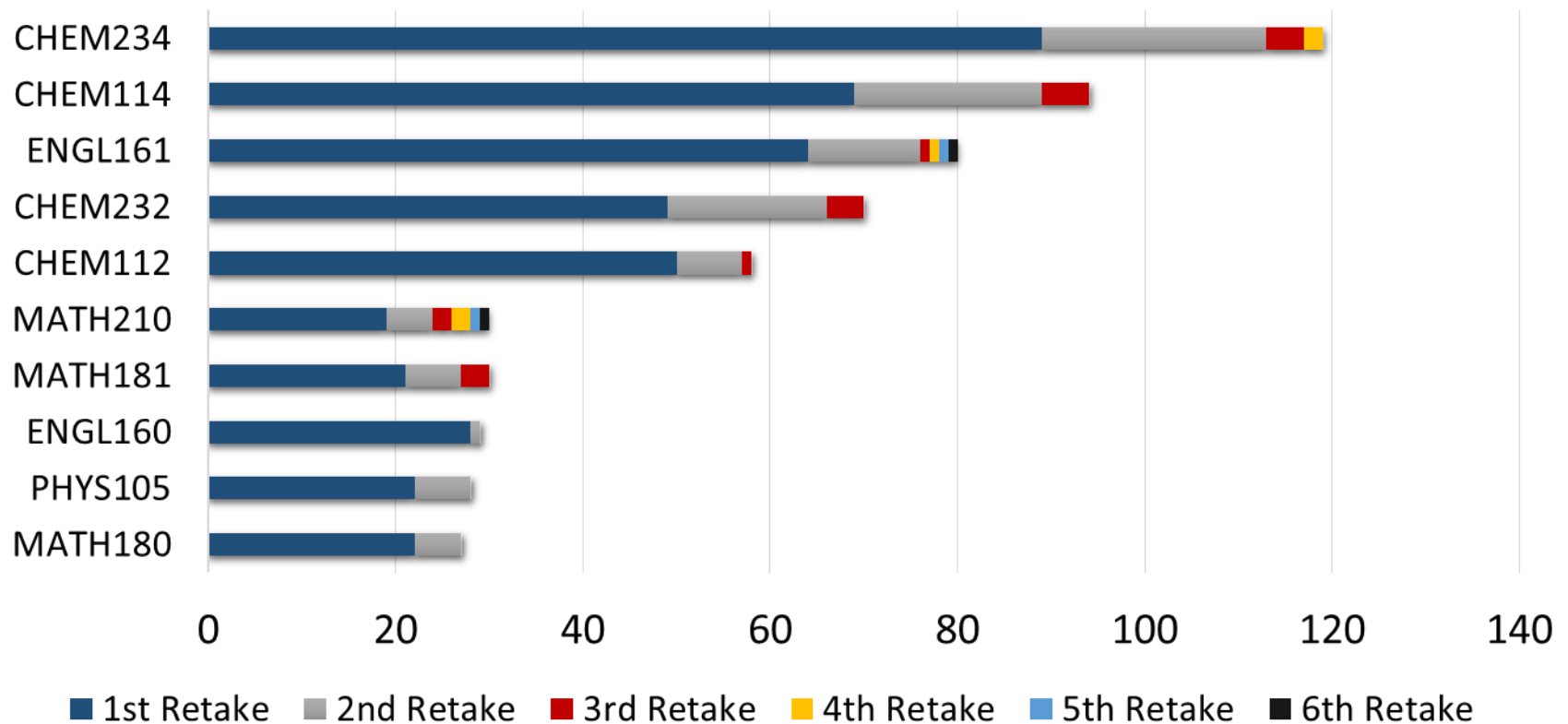
Q3: Top Retaken Courses when Grade Received on First Attempt: F

F on First Attempt by Course Retake



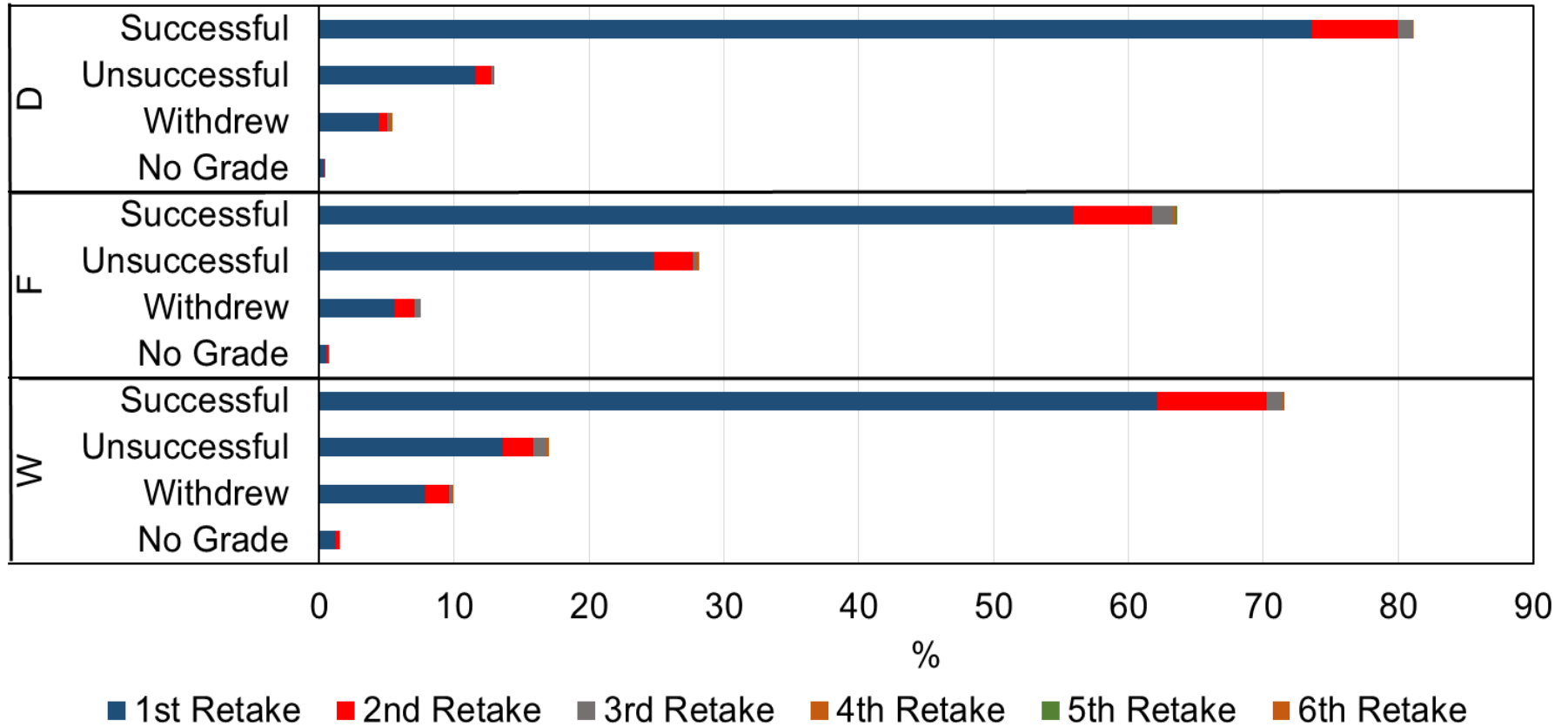
Q3: Top Retaken Courses by Grade Received on First Attempt: W

W on First Attempt by Course Retake



Q4: Grade Changes after Retaking a Course

Grade on First Attempt vs. Final Attempt



Summary

For the 2008 fall full-time, first-time cohort

- 1. What percentage of **students** receive a grade of D, F, or W? Which **courses**?**
 - 79% of the students received a grade of D, F, or W during the six academic years
 - Chemistry and math courses have the highest number of D, F, or W grades
- 2. What percentage of **courses** are retaken? And to what extent?**
 - Between 23-29% of courses are retaken with the majority being retaken only once
- 3. Which **courses** are retaken the most by first attempt grade?**
 - The courses being retaken are similar across first attempt grade but when the initial attempt results in a grade of D, the course is less likely to be retaken.
- 4. How do the grades change after retaking a **course**?**
 - Retaking courses produces favorable outcomes with the majority of students receiving a successful grade after retaking a course