

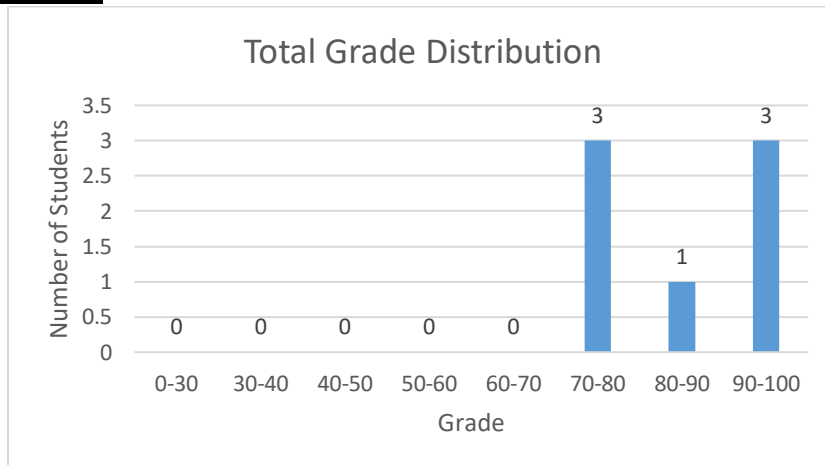
Exam 1 Report

10/12/2022

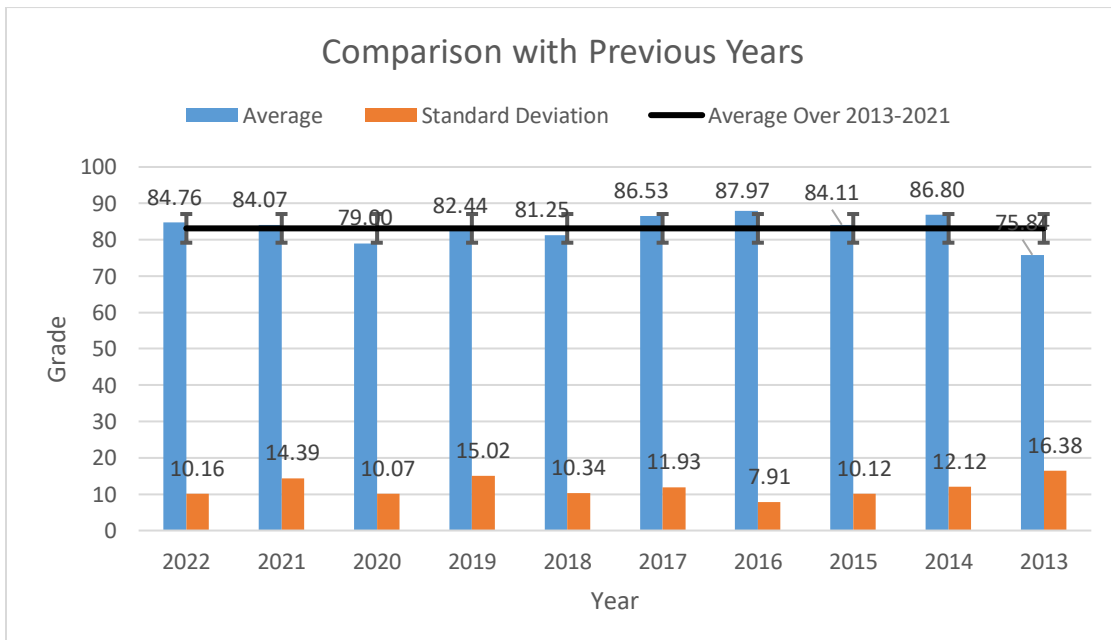
1. Summary

Total number of students	7
Attended	7
Missed	0
Number of problems	3
Average grade	84.76
Standard deviation of grades	10.16

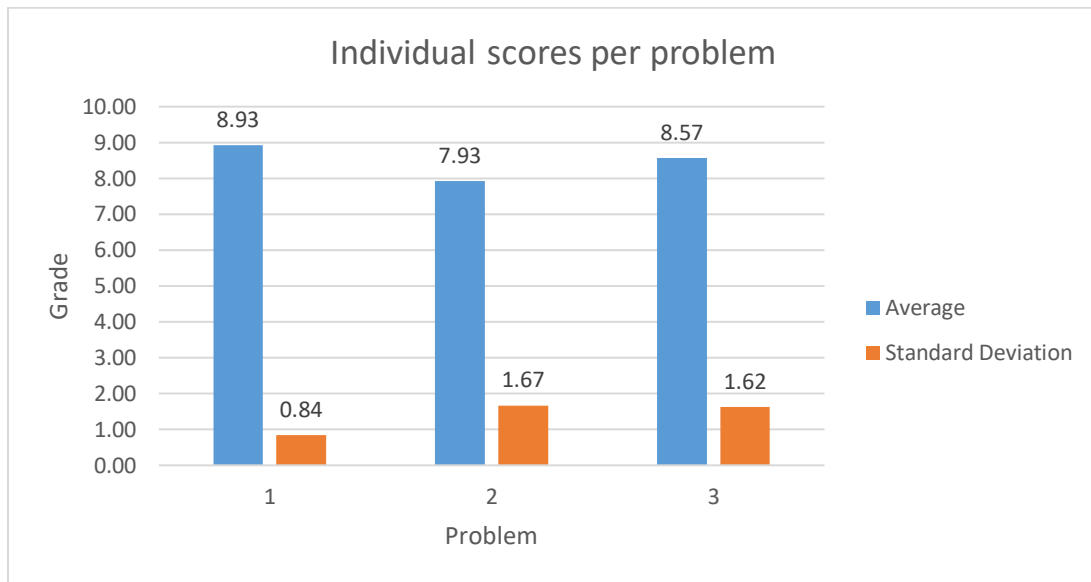
2. Grade distribution



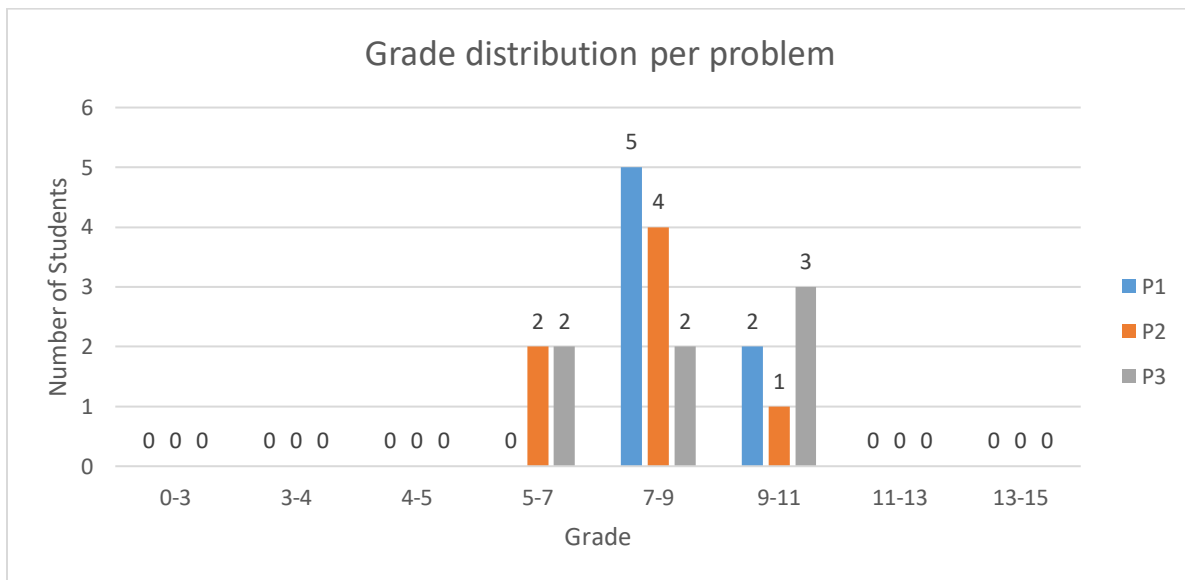
3. Comparison with past years



4. Individual problem breakdown



5. Grade distribution per problem



6. Comments

PROBLEM 1

- One student could not derive the expression for V_2
- All students setup the expression for the momentum equation in x and y direction
- Some students made a mistake in the evaluation of the momentum equation signs for inlet and outlet

PROBLEM 2

- One student neglected the gravity acceleration
- All students applied boundary conditions correctly, but many could not derive the correct velocity field
- Some students could not derive the expression for the wall shear stress
- Some students could not obtain the correct integration constants for the velocity

PROBLEM 3

- Most of the students calculated π_2 correctly
- Some students could not derive π_1 correctly and they made some mistakes when calculating the index number of repeated variables
- One student made a mistake when they considered the unit of density