QUIZ 5 – Report

<u>General</u>

Total number of students	42
Attended	39
Make-up	2
Missed	1
Average grade	6.48
Standard deviation of grades	1.43

Grade distribution



Comparison with last five years



Grade history



Attendance history



Comments

- 68.29% of students did not consider the correct flow rate when computing the velocity. The inlet flow rate Q was given, therefore, since there are two outlets with equal section area, the exit velocity is V = (Q/2)/A.
- 73.17% of students used the wrong mass flow rate in applying the angular momentum equation. As for the exit velocity, the outlet mass flow rate is $\dot{m}_{out} = \rho Q/2$.
- 97.56% of students did not solve the angular momentum equation including the relative motion term (- $R\omega$) in order to determine the rotation rate if there is no retarding torque.
- 60.97% made mistakes in using $V = R\omega$.