## QUIZ 5 - Report

## General

| 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 $\dot{m}_{\text {out }}=\rho Q / 2$.
- $97.56 \%$ 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 $\mathrm{V}=\mathrm{R} \omega$.

