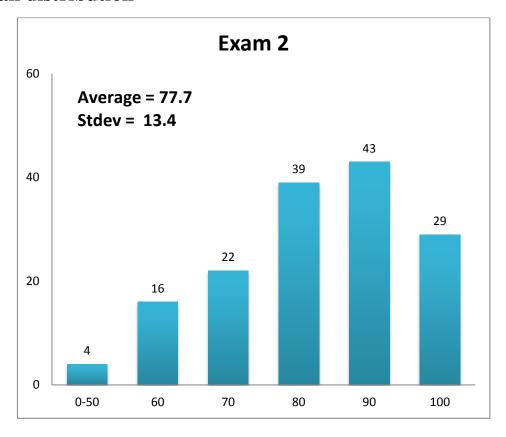
Report of Exam 2 11/9/2016

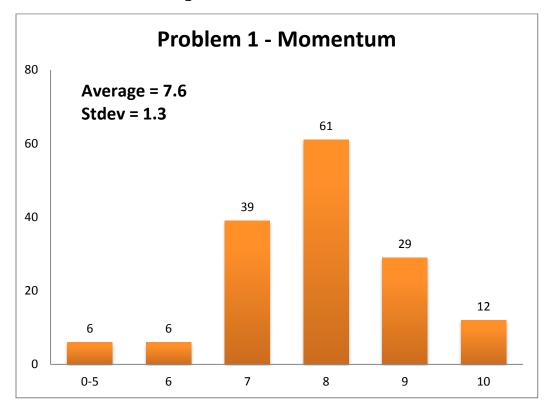
1. Summary

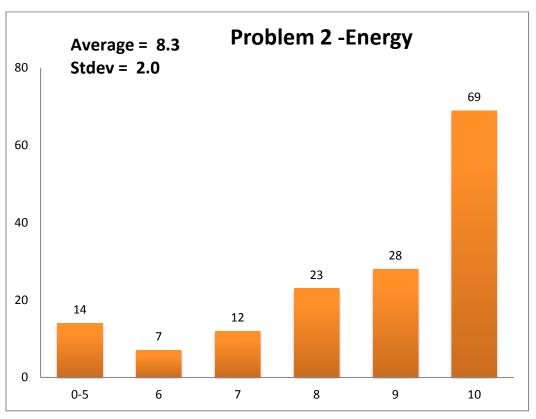
	Number of Students
Total	160
Attended	153
Missed	6
Makeup	1

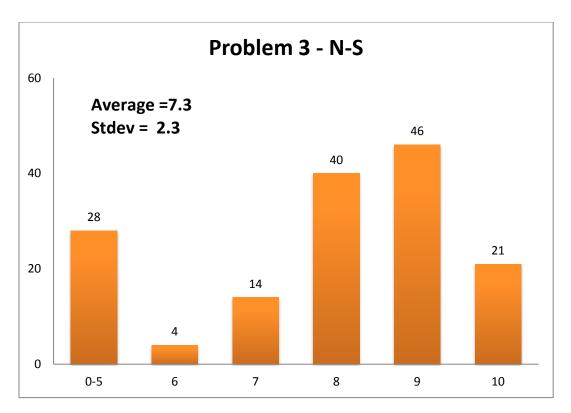
2. Overall distribution

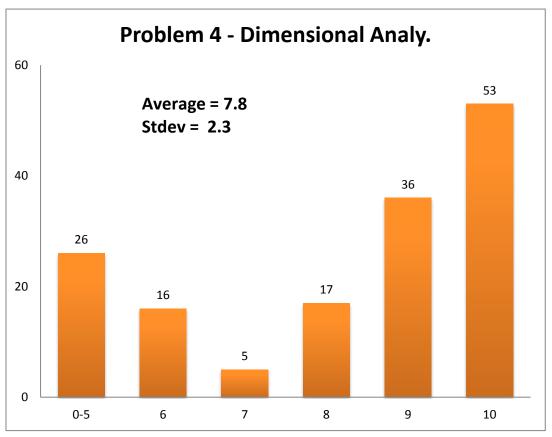


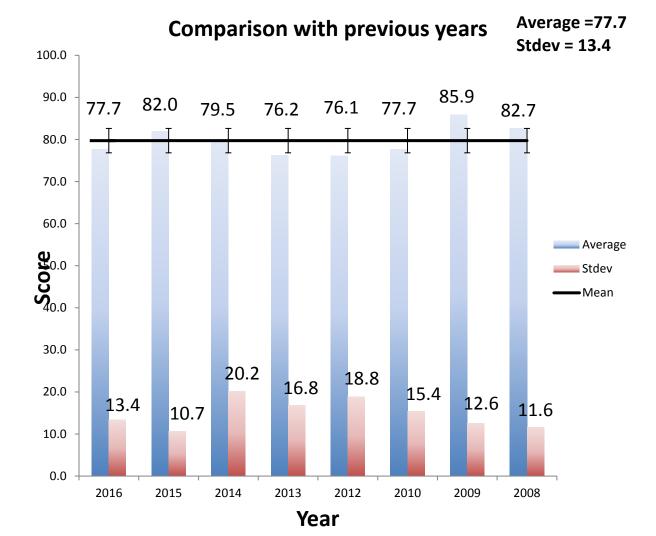
3. Distribution for each problem











4. Common mistakes

- 1) Problem 1 (Control Volume Analysis [Momentum])
 - Wrong sign and/or missing sin(30) in the momentum equation
 - Neglecting the weight of the nozzle and fluid
- 2) Problem 2 (Energy equation)
 - Wrong assumption in applying Bernoulli equation (assumed $V_1=V_2$, $P_2=0$)
 - Not knowing $Q = \frac{m}{\rho t}$
- 3) Problem 3 (N-S)
 - Wrongly assuming gradient of velocity to be zero on wall
 - Not knowing average velocity can be calculated by $\bar{V} = \frac{Q}{A}$
- 4) Problem 4 (Dimensional Analysis)
 - Incorrect number of non-dimensional terms
 - Incorrect dimensions for variables
 - Not completing part (b)