

# HW 3 – Report

## General

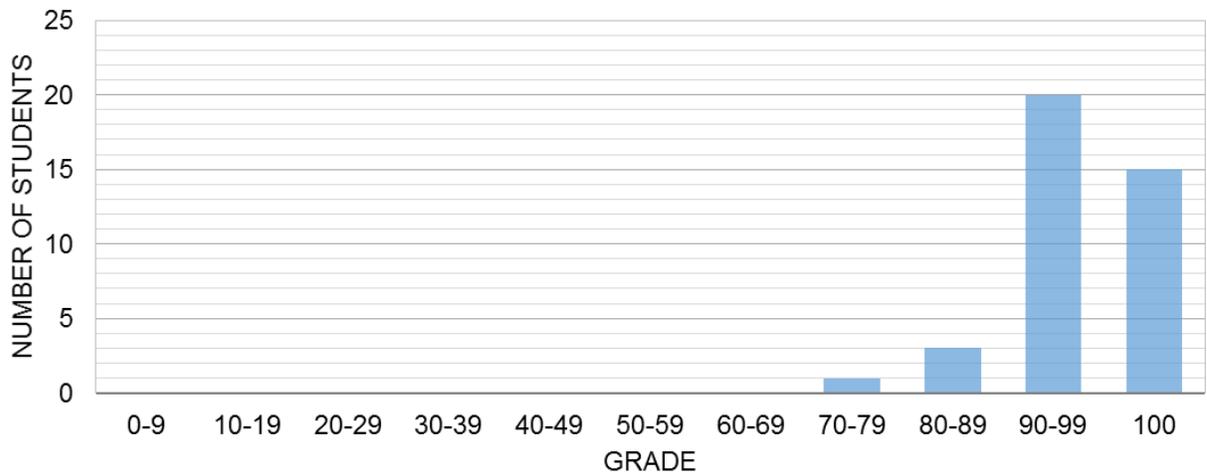
Total number of students	42
Number of submitted HW	39
Number of not submitted HW	3
Number of problems	7+1
Average grade (w/o bonus)	96.44
Standard deviation of grades	6.17
<b>Undergraduate (w/ bonus)</b>	
Average grade	103.6
Standard deviation of grades	9.78
<b>Graduate</b>	
Average grade	93.38
Standard deviation of grades	0.88

## Individual problem breakdown

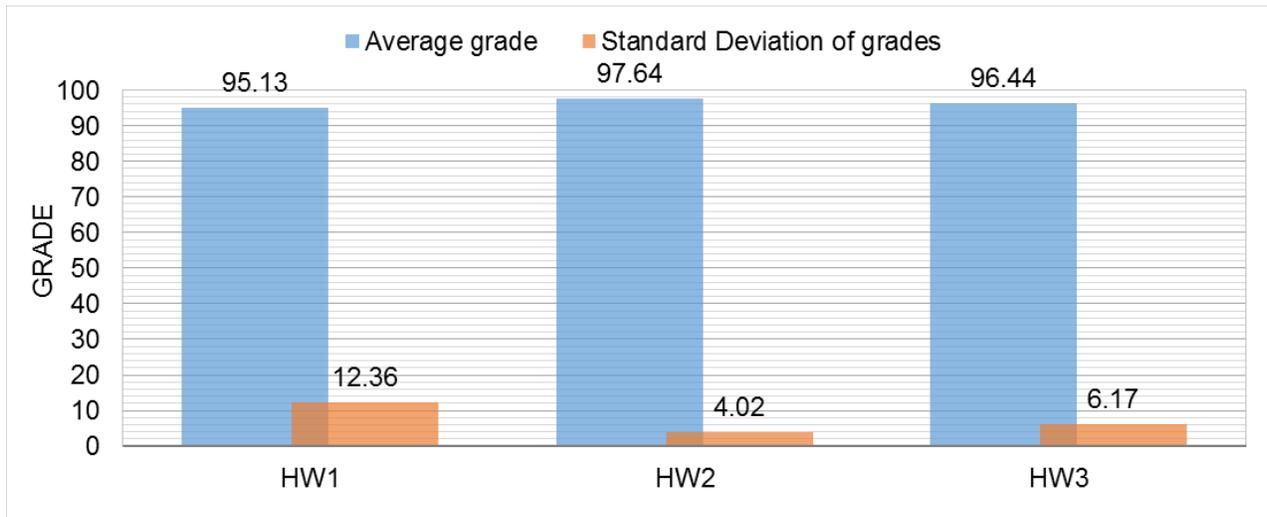
Problem	2.113	2.129	2.139	2.155	1.82	3.136	4.71	C2.3*
Average grade	9.34	9.62	9.97	9.91	9.85	9.94	8.86	10.00
Standard deviation of grades	1.12	0.95	0.16	0.41	0.54	0.33	2.27	0.00

\*Based on the number of students who attempted to solve the problem

## Grade distribution



## Grade history



## Submission history



## Comments

- Few students used the total volume instead of the submerged volume when computing the buoyancy (P2.113).
- Some students did mistakes in deriving the ratio  $H/L$  (P2.129).
- Some students did mistakes in deriving the stream function from the velocity potential (P4.71).
- 46% of the undergraduate students attempted to solve the comprehensive problem; all who attempted could solve the problem correctly.