

HW 13 – Report

General

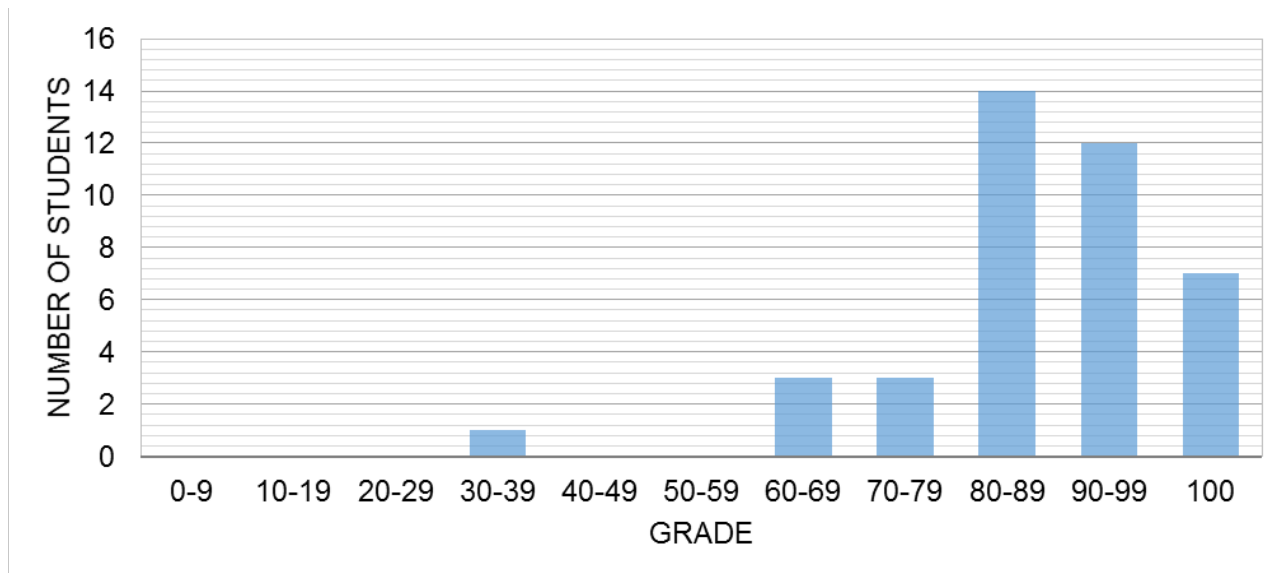
Total number of students	41
Number of submitted HW	40
Number of not submitted HW	1
Number of problems	6+1
Average grade (w/o bonus)	86.32
Standard deviation of grades	13.19
Undergraduate (w/ bonus)	
Average grade	90.17
Standard deviation of grades	15.57
Graduate	
Average grade	84.71
Standard deviation of grades	14.42

Individual problem breakdown

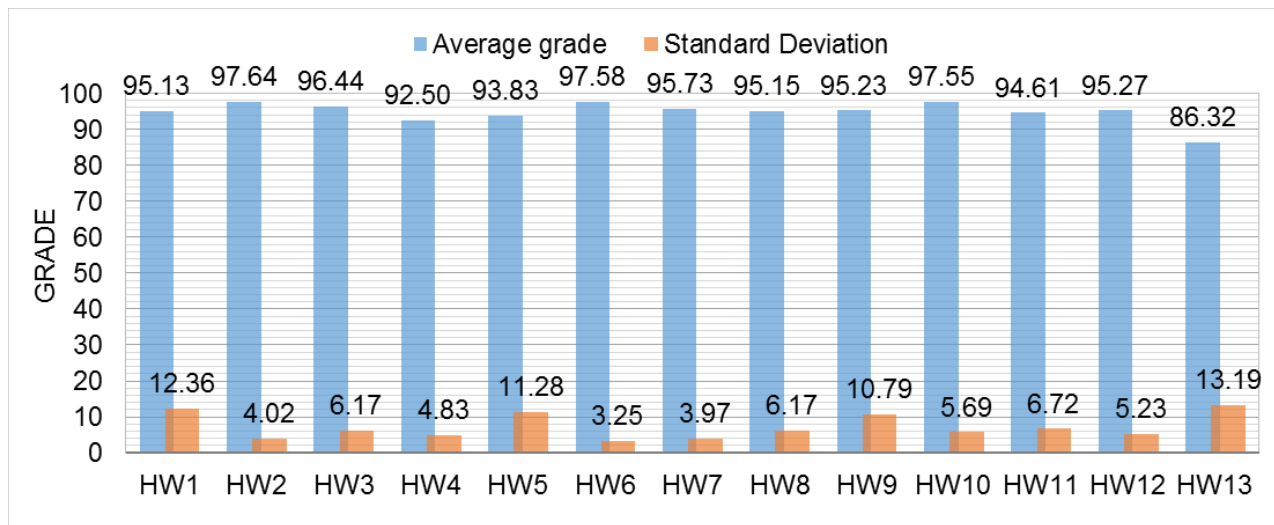
Problem	8.15	8.29	8.37	8.44	8.48	8.75	C8.4*
Average grade	6.85	9.91	9.09	6.90	9.69	9.46	8.77
Standard deviation of grades	2.99	0.34	1.96	2.81	1.58	2.20	2.84

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

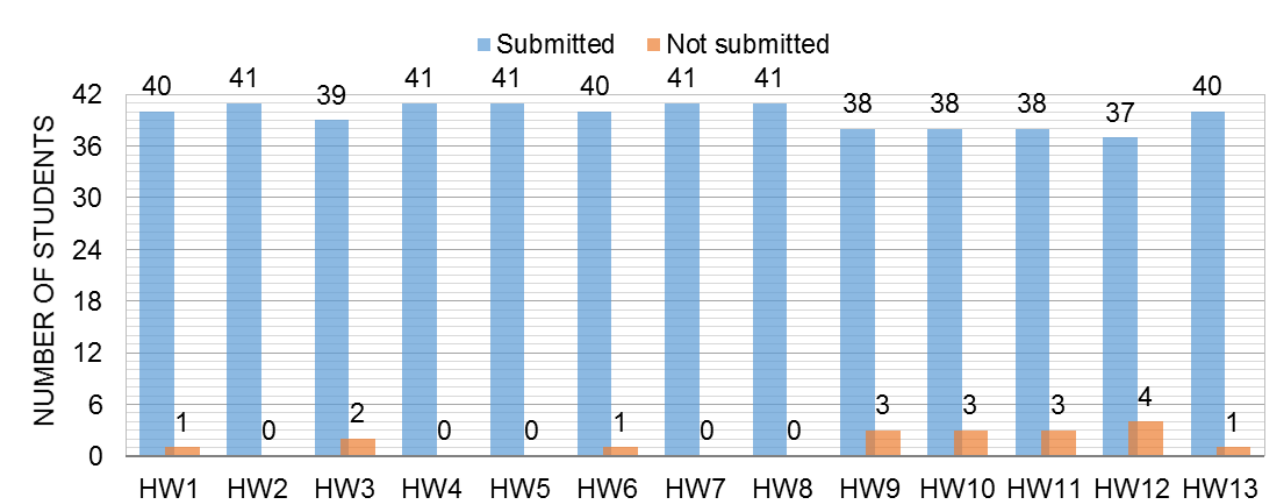
Grade distribution



Grade history



Submission history



Comments

- Many students did not apply potential vortex theory to find the radius of maximum velocity (P8.15).
- Few students did not solve part (b) of P8.37.
- Many students used wrong data in P8.44. Specifically, calculating the velocity in P8.43 was required by the statement of P8.44; students instead, assumed a value for that and also used the wrong pressure.
- Some students did not calculate the lift (P8.44).
- 22% of undergraduate students attempted to solve the comprehensive problem.