HW 13 – Report

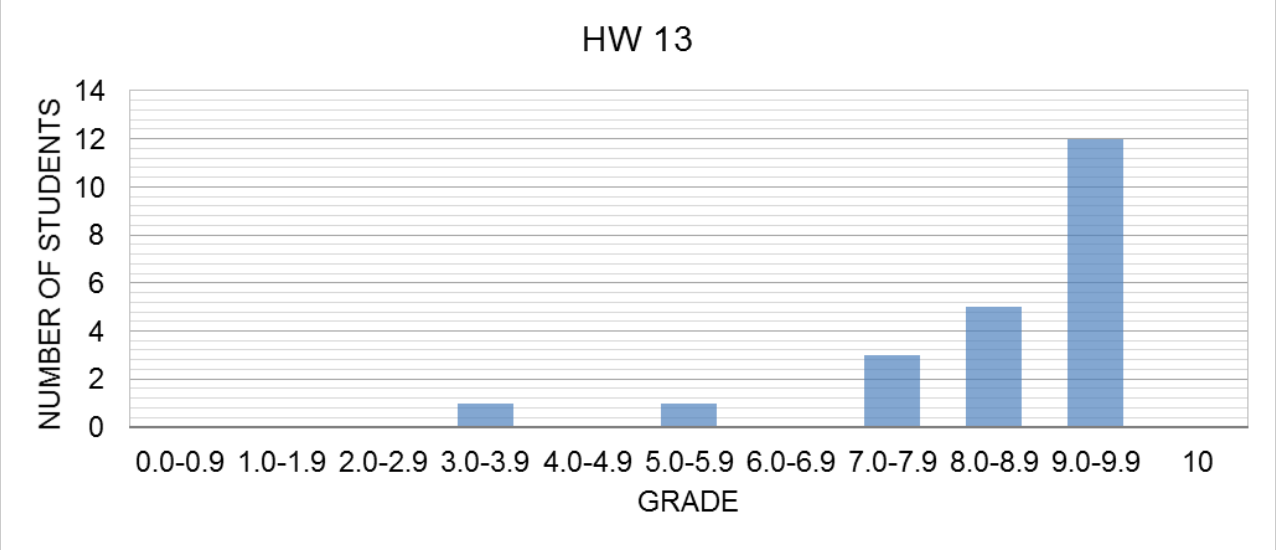
General

Total number of students	23
Number of submitted HW	22
Number of not submitted HW	1
Number of problems	6+1
Average grade (without bonus for undergrads)	82.99
Standard deviation of grades	15.36
Including bonus for undergraduate students	
Average grade	89.73
Standard deviation of grades	19.93

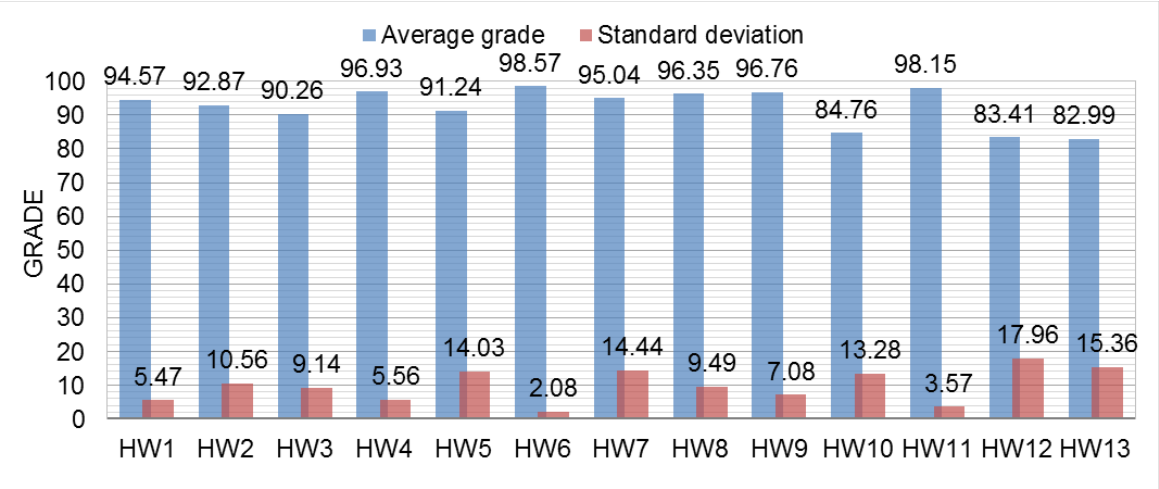
Individual problem breakdown

Problem	P8.15	P8.26	P8.40	P8.45	P8.54	P8.73	C8.7
Average grade	9.68	9.91	9.50	7.40	9.23	7.14	9.88
Standard deviation of grades	1.09	0.29	0.95	2.05	1.34	2.12	0.31

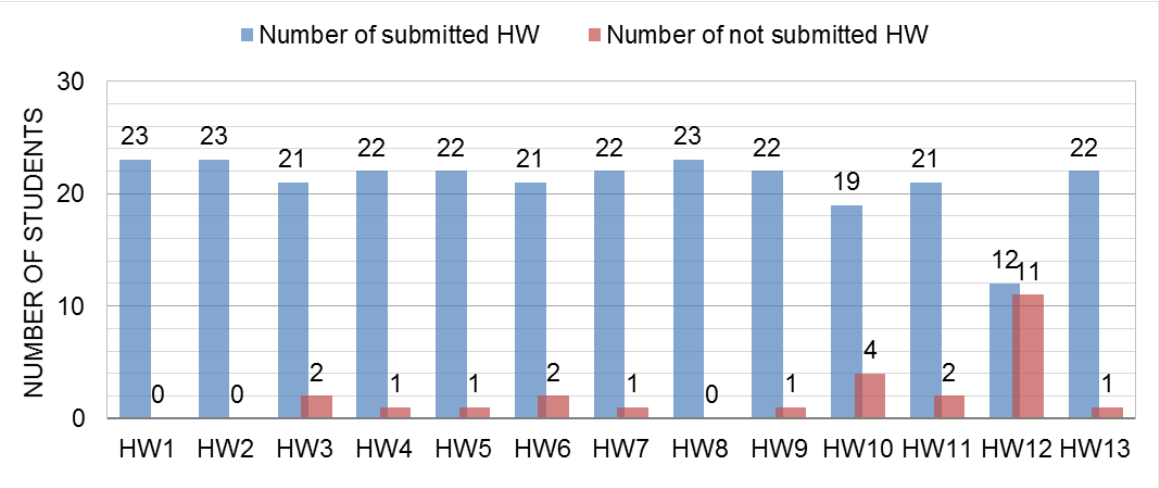
Grade distribution



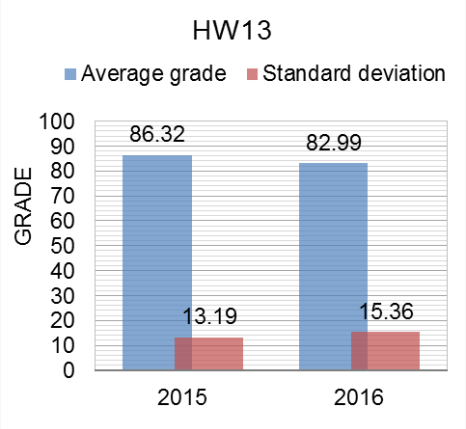
Grade history



Submission history



Comparison with last year



Comments

- Some students did not solve the system of non-linear equations (by iteration) to find the thickness of the Rankine oval in P8.40.
- Many students did not calculate the free stream velocity in order to identify *K* in P8.45; instead, they assumed it equal to 6 m/s.
- Few students did not attempt to estimate the power in P8.54.
- Many students found the wrong solution in P8.73; often, calculation steps were not shown, making difficult assessing where the mistake was made.
- 50% of undergraduate students who submitted the assignment solved the comprehensive problem C8.7; almost all who attempted could solve the problem correctly.