

HW 12 – Report

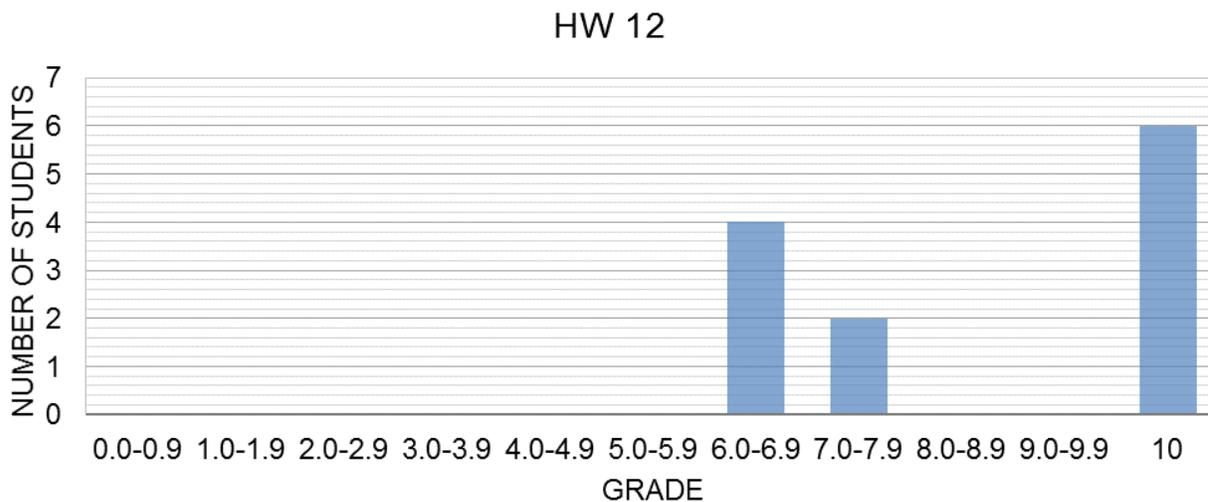
General

Total number of students	23
Number of submitted HW	12
Number of not submitted HW	11
Number of problems	7+1
Average grade (without bonus for undergrads)	83.41
Standard deviation of grades	17.96
Including bonus for undergraduate students	
Average grade	95.65
Standard deviation of grades	19.93

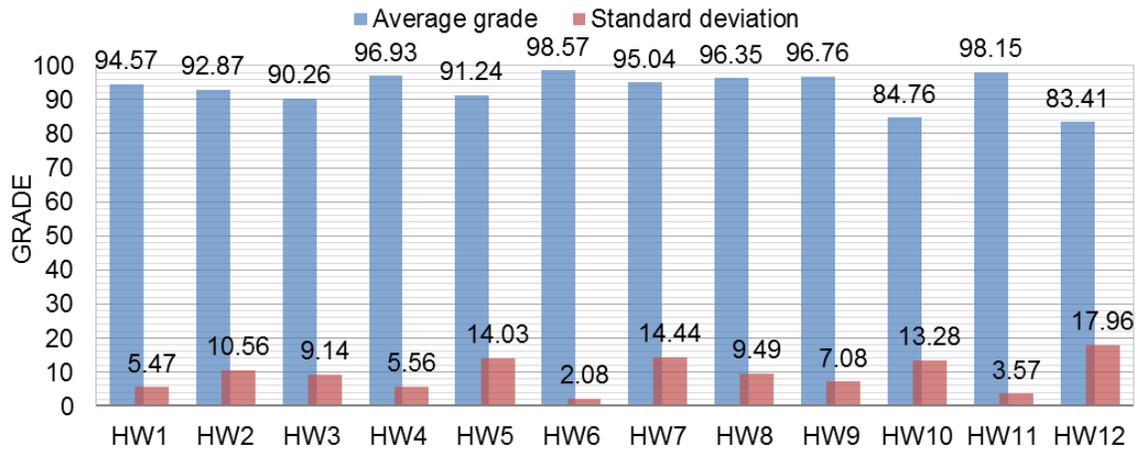
Individual problem breakdown

Problem	P7.32	P7.45	P7.50	P7.61	P7.80	P7.98	P7.111	C7.3
Average grade	9.75	9.67	8.21	9.67	9.29	8.82	8.90	9.44
Standard deviation of grades	0.87	0.89	2.33	0.86	1.34	1.42	2.20	1.21

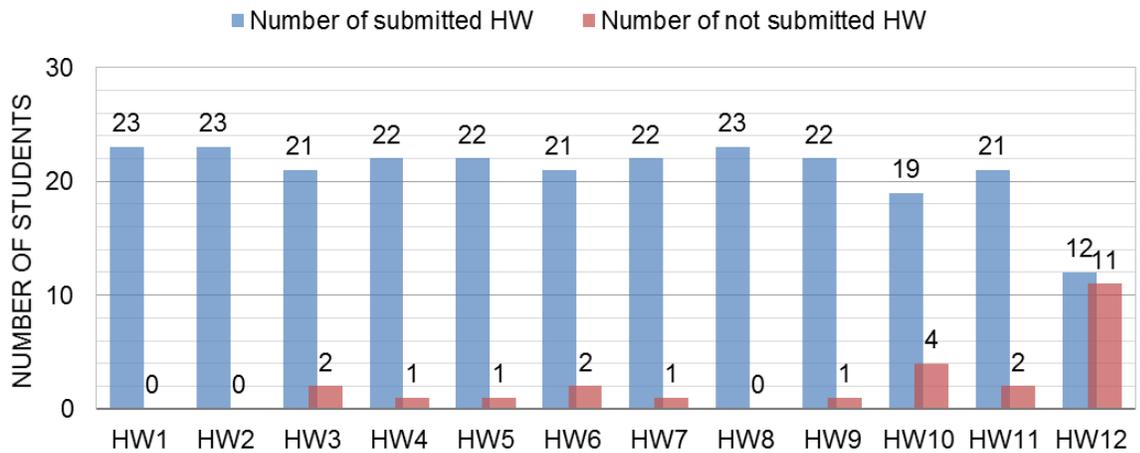
Grade distribution



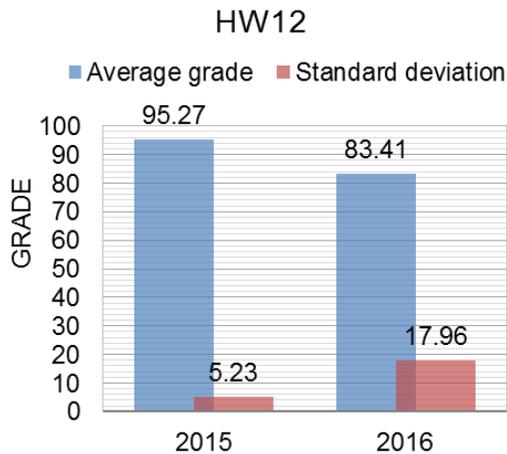
Grade history



Submission history



Comparison with last year



Comments

- Some students made calculation mistakes in P7.45 when computing the velocity U .
- Some students did not show how to get the core velocity expression in P7.50, which was based on geometrical consideration. Also, some students could not determine the wall angle.
- Some students made mistakes in integrating the equation of motion in P7.98 in order to find the distance travelled by the ball.
- 75% of undergraduate students who submitted the assignment solved the comprehensive problem C7.3; almost all who attempted could solve the problem correctly.