

The following table presents the mean to the common final for each section and the overall mean for the semester (combining all sections). The scores for the Fall and Spring semesters appear to be improving for all instructors, whereas the Summer classes have a higher mean of 37.6, which is about the same for each year.

Follow Up: (How have you used or how will you use the data to improve student learning?) Over the past five years the scores for the common exam seem to remain fairly constant for all instructors.. There appears to be a slight increase in scores over the last year. Each instructor receives a question by question analysis of the exam and instructors have used this analysis to work on their areas of weakness. More emphasis has been put on dimensional analysis and problem solving techniques. We have also implemented a plan to have a consistent approach to teaching dimensional analysis in courses with common content such as biology (BIO 099) and math (MAT 099). A focus on mastery concept learning is being implemented with an emphasis on problem solving. A new recitation course has been developed to be a co-requisite for CHM101 to also help reinforce problem solving. Work is continuing for all of the above, with minor changes in teaching styles and techniques to further improve student retention and success. Additional training of adjunct professors for subject matter and features of working in our new STEM building will be held.

Budget Justification (What resources are necessary to improve student learning?) N/A

Term	Instructor	# of students	Median Score	Mean Score	Std Dev	High score	Low score
Fall 07	Thorpe	20	32.00	31.20	8.61	47.00	14.00
	Stein	25	36.00	35.24	6.24	45.00	23.00
	Stemmle	18	27.50	29.44	6.94	42.00	19.00
Spring 08	Thorpe	26	35.50	34.35	6.92	45.00	22.00
	Stein	24	37.00	36.67	6.43	48.00	25.00
	Stemmle	18	28.00	27.39	6.17	37.00	11.00
Summer 08	Peisen	13	36.00	36.77	7.36	46.00	24.00
	Feeser	11	37.00	38.55	5.99	49.00	30.00
Fall 08	Thorpe 01	23	31.33	32.17	7.07	46.00	17.00
	Thorpe 02	23	32.67	30.70	7.97	46.00	13.00
	Peisen	12	36.50	36.92	5.22	48.00	27.00
	Stemmle	11	35.00	35.18	9.25	46.00	13.00
Spring 09	Thorpe	26	32.50	31.31	5.09	39.00	20.00
	Peisen	27	33.67	33.56	7.09	46.00	20.00
	Stemmle	14	28.10	31.00	7.71	44.00	22.00
Fall 09	Thorpe 01	24	38.50	36.21	6.59	49.00	24.00
	Thorpe 02	22	30.00	31.27	6.86	44.00	21.00
	Stemmle	17	29.25	30.94	6.45	45.00	23.00
	O'Connor	16	23.00	24.56	5.47	38.00	13.00
Spring 10	Thorpe 01	31	33.00	32.55	7.02	46.00	14.00
	Thorpe 02	31	29.75	30.74	7.84	47.00	16.00
	Stemmle	20	29.50	29.30	7.16	42.00	15.00
	O'Connor	18	34.50	32.22	8.01	45.00	18.00
Summer 10	Feeser	17	36.00	37.82	5.88	47.00	29.00
	O'Connor	14	39.50	38.00	8.52	48.00	20.00
Fall 10	Thorpe 01	24	36.50	36.67	5.09	45.00	25.00
	Thorpe 02	22	37.83	37.32	6.39	47.00	23.00
	Stemmle	12	32.50	32.25	7.05	41.00	18.00
	O'Connor	no data					
	Feeser	9	36.00	36.00	7.85	46.00	25.00
Spring 11	Thorpe 01	19	36.00	35.21	6.88	47.00	18.00
	Thorpe 02	22	36.00	36.64	7.73	49.00	20.00
	Stemmle	13	29.25	31.23	6.23	48.00	23.00
	O'Connor	no data					
Summer 11	Feeser	15	35.00	35.33	6.45	44.00	22.00
	O'Connor	12	31.50	32.67	8.19	44.00	20.00
Fall 11	Thorpe 01	20	35.50	37.10	6.46	49.00	29.00
	Thorpe 02	27	39.00	35.89	9.10	48.00	16.00
	Stemmle	11	32.75	32.00	5.98	39.00	16.00
	O'Connor	no data					
	Feeser	15	32.67	32.33	4.92	43.00	24.00

Spring 12	Thorpe 01	26	36.50	34.62	8.09	48.00	12.00
	Thorpe 02	25	37.00	35.28	9.01	48.00	17.00
	Stemmler	12	35.00	33.92	6.08	43.00	24.00
	O'Connor	17	35.88	33.59	7.84	47.00	17.00

n= 802 33.73 33.62

67.24
Overall
%
average

The results of CHM 101 50 multiple choice section of the common final exam.
The scantrons were run using the ParScore program.