

Preliminary results

Ad Hoc Committee on
Teaching Surveys

Number of course surveys by semester

Semester	N
Fall 2005	2085
Spring 2006	1866
Fall 2006	2250
Spring 2007	2060
Fall 2007	2245
Spring 2008	2116
Fall 2008	2458
Spring 2009	2212
Fall 2009	2606
Spring 2010	2453
Fall 2010	2389
Spring 2011	2399

The instructor and course ratings for the IDEA data were nearly identical across semesters and, therefore, were combined.

Online
data

Instructor rating
results using
unadjusted scores

Instructor ratings

Type	N	Mean	SD
IDEA (Fall 2005 to Spring 2010)	22351	4.20	0.62
online (Fall 2010)	2389	3.98	0.65
online (Spring 2011)	2399	4.07	0.65

On average, instructor ratings were lower for online versus in-class. However, the ratings did increase for the Spring 2011.

Instructor evaluations by college

College	Type	N	Mean	SD	Change
Architecture	IDEA (Fall 2005 to Spring 2010)	802	4.22	0.62	0.20
	online (Fall 2010 & Spring 2011)	187	4.02	0.74	
Business	IDEA (Fall 2005 to Spring 2010)	3434	4.10	0.64	0.15
	online (Fall 2010 & Spring 2011)	712	3.95	0.64	
Education	IDEA (Fall 2005 to Spring 2010)	3933	4.30	0.58	0.15
	online (Fall 2010 & Spring 2011)	790	4.15	0.63	
Engineering	IDEA (Fall 2005 to Spring 2010)	1603	4.11	0.69	0.22
	online (Fall 2010 & Spring 2011)	283	3.89	0.77	
Liberal and Fine Arts	IDEA (Fall 2005 to Spring 2010)	5775	4.27	0.56	0.12
	online (Fall 2010 & Spring 2011)	1265	4.15	0.59	
Public Policy	IDEA (Fall 2005 to Spring 2010)	652	4.31	0.51	0.13
	online (Fall 2010 & Spring 2011)	157	4.18	0.55	
Sciences	IDEA (Fall 2005 to Spring 2010)	4635	4.13	0.64	0.28
	online (Fall 2010 & Spring 2011)	1041	3.85	0.64	
Writing Program	IDEA (Fall 2005 to Spring 2010)	1112	4.14	0.66	0.24
	online (Fall 2010 & Spring 2011)	282	3.90	0.68	

Notice that the differences between online and IDEA were not the same across Colleges.

Percent of instructors at each rating

Type		N	Mean %	SD
IDEA (Fall 2005 to Spring 2010)	Rating of 1	22351	4.07	8.38
	Rating of 2	22351	4.58	7.09
	Rating of 3	22351	13.35	11.48
	Rating of 4	22351	23.04	13.07
	Rating of 5	22351	54.97	25.08
online (Fall 2010)	Rating of 1	2389	4.77	9.18
	Rating of 2	2389	6.23	9.57
	Rating of 3	2389	19.17	15.82
	Rating of 4	2389	25.57	14.86
	Rating of 5	2389	44.26	25.29
online (Spring 2011)	Rating of 1	2399	4.57	9.40
	Rating of 2	2399	5.48	8.78
	Rating of 3	2399	17.39	14.87
	Rating of 4	2399	23.50	14.26
	Rating of 5	2399	49.06	25.52

Percent of instructor ratings in each category

- These results suggest the average number of ratings in categories 1, 2, and 4 did not change between online and in-class.
- However, the average number of ratings of 5 decreased, whereas the average number of ratings of 3 increased, when comparing online and in-class.
 - There is some evidence for a change based on the Spring 2011 data.

Instructor ratings by response rate categories

Response rate	Type	N	Mean	SD	Change
0 to 25%	IDEA	390	3.91	0.68	0.03
	online	546	3.88	0.70	
25 to 50%	IDEA	4363	4.04	0.66	0.05
	online	2822	3.99	0.67	
50 to 75%	IDEA	9967	4.21	0.59	0.06
	online	1132	4.14	0.57	
75 to 100%	IDEA	7631	4.31	0.59	0.08
	online	288	4.23	0.58	

- Higher response rates tended to have better instructor ratings. Interestingly, as response rates increased, the difference between IDEA and online also increased slightly.

Course rating
results using
unadjusted scores

Course ratings

Type	N	Mean	SD
IDEA (Fall 2005 to Spring 2010)	22351	4.02	0.58
online (Fall 2010)	2389	3.93	0.57
online (Spring 2011)	2399	4.00	0.58

- The overall average course ratings were slightly lower when the surveys were online versus in-class.

Course evaluations by College

College	IDEA online	N	Mean	SD	Change
Architecture	IDEA (Fall 2005 to Spring 2010)	802	4.18	0.51	0.14
	online (Fall 2010 & Spring 2011)	187	4.04	0.67	
Business	IDEA (Fall 2005 to Spring 2010)	3434	3.91	0.57	0.02
	online (Fall 2010 & Spring 2011)	712	3.89	0.55	
Education	IDEA (Fall 2005 to Spring 2010)	3933	4.16	0.56	0.07
	online (Fall 2010 & Spring 2011)	790	4.09	0.57	
Engineering	IDEA (Fall 2005 to Spring 2010)	1603	4.02	0.61	0.13
	online (Fall 2010 & Spring 2011)	283	3.90	0.65	
Liberal and Fine Arts	IDEA (Fall 2005 to Spring 2010)	5775	4.10	0.53	0.02
	online (Fall 2010 & Spring 2011)	1265	4.08	0.53	
Public Policy	IDEA (Fall 2005 to Spring 2010)	652	4.16	0.51	0.05
	online (Fall 2010 & Spring 2011)	157	4.11	0.51	
Sciences	IDEA (Fall 2005 to Spring 2010)	4635	3.90	0.58	0.12
	online (Fall 2010 & Spring 2011)	1041	3.77	0.56	
Writing Program	IDEA (Fall 2005 to Spring 2010)	1112	3.68	0.57	-0.13
	online (Fall 2010 & Spring 2011)	282	3.81	0.59	

Notice that the differences between online and IDEA were not the same across Colleges.

Percent of course ratings in each category

Type		N	Mean %	SD
IDEA (Fall 2005 to Spring 2010)	Rating of 1	22351	4.10	7.12
	Rating of 2	22351	5.66	7.58
	Rating of 3	22351	18.59	13.18
	Rating of 4	22351	27.83	13.01
	Rating of 5	22351	43.82	23.14
online (Fall 2010)	Rating of 1	2389	3.21	6.74
	Rating of 2	2389	5.45	8.70
	Rating of 3	2389	24.17	17.47
	Rating of 4	2389	29.20	15.95
	Rating of 5	2389	37.97	23.27
online (Spring 2011)	Rating of 1	2399	3.35	7.48
	Rating of 2	2399	5.29	8.39
	Rating of 3	2399	21.78	16.50
	Rating of 4	2399	27.43	14.99
	Rating of 5	2399	42.16	24.00

Percent of course ratings in each category

- Similar to the course rating means, these results suggest the distribution of course ratings did not change.

Course ratings by response rate categories

Response rate	Type	N	Mean	SD	Change
0 to 25%	IDEA	390	3.76	0.62	-0.05
	online	546	3.81	0.61	
25 to 50%	IDEA	4363	3.85	0.57	-0.08
	online	2822	3.93	0.59	
50 to 75%	IDEA	9967	4.01	0.56	-0.07
	online	1132	4.08	0.51	
75 to 100%	IDEA	7631	4.13	0.56	-0.02
	online	288	4.15	0.55	

- High response rates tended to have better course ratings, with slightly higher ratings online.

Average Response Rate per class (Unweighted means)

Type	N	Mean	SD
IDEA (Fall 2005 to Spring 2010)	22351	66.44	18.80
online (Fall 2010)	2389	42.57	16.89
online (Spring 2011)	2399	45.63	17.69

- The average response rates were lower for the online surveys, although it increased a little in Spring 2011.
- The weighted response rates (Number of responding students divided by number enrolled) were also less for Fall 2010 online (39%) and Spring 2011 online (41%) when compared to the IDEA (55%) surveys.

Average Response Rate per class by College

College	IDEA online	N	Mean	SD	Change
Architecture	IDEA (Fall 2005 to Spring 2010)	802	74.32	16.19	-28.42
	online (Fall 2010 & Spring 2011)	187	45.89	16.09	
Business	IDEA (Fall 2005 to Spring 2010)	3434	63.66	19.97	-17.35
	online (Fall 2010 & Spring 2011)	712	46.31	18.37	
Education	IDEA (Fall 2005 to Spring 2010)	3933	74.00	16.37	-24.51
	online (Fall 2010 & Spring 2011)	790	49.48	16.50	
Engineering	IDEA (Fall 2005 to Spring 2010)	1603	63.58	20.04	-13.99
	online (Fall 2010 & Spring 2011)	283	49.59	18.57	
Liberal and Fine Arts	IDEA (Fall 2005 to Spring 2010)	5775	63.76	17.52	-23.55
	online (Fall 2010 & Spring 2011)	1265	40.20	16.12	
Public Policy	IDEA (Fall 2005 to Spring 2010)	652	66.64	18.22	-9.14
	online (Fall 2010 & Spring 2011)	157	57.50	18.33	
Sciences	IDEA (Fall 2005 to Spring 2010)	4635	64.25	19.97	-21.99
	online (Fall 2010 & Spring 2011)	1041	42.25	16.69	
Writing Program	IDEA (Fall 2005 to Spring 2010)	1112	67.82	15.95	-33.37
	online (Fall 2010 & Spring 2011)	282	34.45	10.85	

Summary

- Overall instructor ratings were lower when surveys were collected online, whereas the course ratings were similar for both survey methods.
- Higher instructor ratings were found when response rates were higher, but not for course ratings.
 - In general, these findings were consistent across colleges.

Next steps

- To date, the survey committee has not determined a procedure to adjust instructor and course evaluations or identify those factors that need to be taken into consideration. However, it appears that at least class size and College contributed when analyzing the IDEA survey.
 - Currently, we are working to create a model to generate adjusted instructor and course scores.

Unadjusted vs. adjusted ratings from the IDEEA data

	N	Mean	SD
Instructor Rating	22350	4.20	0.62
Instructor Rating (Adjusted)	22350	4.15	0.62
Course Rating	22350	4.02	0.58
Course Rating (Adjusted)	22350	3.93	0.63

	M	SD
Instructor difference	0.05	0.21
Course difference	0.08	0.35

- There is not a large difference overall; however, differences will emerge based on certain class characteristics. This is evident in the standard deviation around the difference scores (i.e., SD = 21 & 35).

Unadjusted vs. adjusted instructor ratings for IDEA data based on class size

Enrolment categories		N	Mean	SD	Change
10 or fewer	Instructor Rating	1553	4.44	0.59	-0.17
	Instructor Rating (adjusted)	1553	4.27	0.62	
11 to 30	Instructor Rating	11556	4.24	0.61	-0.12
	Instructor Rating (adjusted)	11556	4.12	0.62	
31 to 60	Instructor Rating	5513	4.15	0.61	-0.04
	Instructor Rating (adjusted)	5513	4.12	0.61	
more than 60	Instructor Rating	3729	4.05	0.60	0.17
	Instructor Rating (adjusted)	3728	4.22	0.60	

- Class size contributed significantly to the adjusted instructor ratings. Smaller courses (10 or fewer students) were adjusted downward, whereas larger classes (more than 60 students) were adjusted upward.

Unadjusted vs. adjusted course ratings for IDEA data based on class size

Enrolment categories		N	Mean	SD	Change
10 or fewer	Course Rating	1553	4.32	0.57	-0.24
	Course Rating (adjusted)	1553	4.08	0.70	
11 to 30	Course Rating	11556	4.05	0.58	-0.17
	Course Rating (adjusted)	11556	3.87	0.63	
31 to 60	Course Rating	5513	3.98	0.56	-0.05
	Course Rating (adjusted)	5513	3.93	0.60	
more than 60	Course Rating	3729	3.85	0.53	0.22
	Course Rating (adjusted)	3728	4.07	0.58	

- Similar to instructor ratings, class size contributes significantly to the adjusted course ratings. Smaller courses (10 or fewer students) were adjusted downward, whereas larger classes (more than 60 students) were adjusted upward.

Impact of College on adjusted scores

- Our analyses indicated that the difference between adjusted and unadjusted scores not only differs by class size, but also the College.
- Differences in instructor results were provided, whereas differences in course ratings were omitted to space and time reasons.

College	Enrollment categories		N	Mean	SD	Change
Architecture	10 or fewer	Instructor Rating	51	4.32	0.56	-0.24
		Instructor Rating (adjusted)	51	4.09	0.60	
	11 to 30	Instructor Rating	590	4.23	0.65	-0.19
		Instructor Rating (adjusted)	590	4.04	0.67	
	31 to 60	Instructor Rating	101	4.21	0.53	-0.10
		Instructor Rating (adjusted)	101	4.11	0.52	
	more than 60	Instructor Rating	60	4.06	0.50	0.09
		Instructor Rating (adjusted)	60	4.15	0.53	
Business	10 or fewer	Instructor Rating	229	4.41	0.58	-0.17
		Instructor Rating (adjusted)	229	4.24	0.58	
	11 to 30	Instructor Rating	1370	4.19	0.62	-0.11
		Instructor Rating (adjusted)	1370	4.08	0.62	
	31 to 60	Instructor Rating	949	4.10	0.65	-0.01
		Instructor Rating (adjusted)	949	4.09	0.64	
	more than 60	Instructor Rating	886	3.88	0.63	0.23
		Instructor Rating (adjusted)	885	4.11	0.64	
Education	10 or fewer	Instructor Rating	331	4.49	0.58	-0.19
		Instructor Rating (adjusted)	331	4.30	0.62	
	11 to 30	Instructor Rating	2270	4.33	0.58	-0.19
		Instructor Rating (adjusted)	2270	4.13	0.59	
	31 to 60	Instructor Rating	1027	4.25	0.58	-0.14
		Instructor Rating (adjusted)	1027	4.11	0.58	
	more than 60	Instructor Rating	305	4.08	0.58	-0.01
		Instructor Rating (adjusted)	305	4.07	0.58	

College	Enrollment categories		N	Mean	SD	Change
Engineering	10 or fewer	Instructor Rating	168	4.37	0.67	-0.19
		Instructor Rating (adjusted)	168	4.17	0.66	
	11 to 30	Instructor Rating	753	4.16	0.66	-0.18
		Instructor Rating (adjusted)	753	3.99	0.63	
	31 to 60	Instructor Rating	509	3.95	0.72	-0.11
		Instructor Rating (adjusted)	509	3.84	0.68	
	more than 60	Instructor Rating	173	4.07	0.68	0.02
		Instructor Rating (adjusted)	173	4.10	0.70	
Liberal and Fine Arts	10 or fewer	Instructor Rating	352	4.48	0.59	-0.14
		Instructor Rating (adjusted)	352	4.34	0.64	
	11 to 30	Instructor Rating	2459	4.33	0.56	-0.10
		Instructor Rating (adjusted)	2459	4.23	0.58	
	31 to 60	Instructor Rating	1665	4.20	0.56	-0.02
		Instructor Rating (adjusted)	1665	4.18	0.57	
	more than 60	Instructor Rating	1299	4.18	0.52	0.18
		Instructor Rating (adjusted)	1299	4.35	0.53	
Public Policy	10 or fewer	Instructor Rating	78	4.38	0.59	-0.14
		Instructor Rating (adjusted)	78	4.24	0.62	
	11 to 30	Instructor Rating	310	4.31	0.55	-0.11
		Instructor Rating (adjusted)	310	4.20	0.55	
	31 to 60	Instructor Rating	147	4.32	0.43	-0.05
		Instructor Rating (adjusted)	147	4.27	0.46	
	more than 60	Instructor Rating	117	4.24	0.45	0.14
		Instructor Rating (adjusted)	117	4.38	0.42	

College	Enrollment categories		N	Mean	SD	Change
Sciences	10 or fewer	Instructor Rating	319	4.44	0.55	-0.16
		Instructor Rating (adjusted)	319	4.28	0.61	
	11 to 30	Instructor Rating	2436	4.16	0.64	-0.11
		Instructor Rating (adjusted)	2436	4.05	0.64	
	31 to 60	Instructor Rating	1030	4.08	0.62	0.06
		Instructor Rating (adjusted)	1030	4.14	0.61	
	more than 60	Instructor Rating	850	4.01	0.64	0.19
		Instructor Rating (adjusted)	850	4.20	0.65	
Writing Program	10 or fewer	Instructor Rating	8	4.09	0.67	-0.07
		Instructor Rating (adjusted)	8	4.02	0.48	
	11 to 30	Instructor Rating	1070	4.15	0.65	0.03
		Instructor Rating (adjusted)	1070	4.18	0.65	
	31 to 60	Instructor Rating	15	4.02	0.76	0.00
		Instructor Rating (adjusted)	15	4.02	0.74	
	more than 60	Instructor Rating	19	3.77	0.78	0.15
		Instructor Rating (adjusted)	19	3.92	0.81	

Unadjusted vs. adjusted Instructor ratings for IDEA data based on class size and College

- Notice that the change in instructor ratings between adjusted and unadjusted ratings based on class size is not the same across Colleges.

Difference between small (10 or fewer) and larger (more than 60) classes for each College.

College	Difference
Architecture	0.33
Business	0.40
Education	0.18
Engineering	0.22
Liberal and Fine Arts	0.32
Public Policy	0.28
Sciences	0.35
Writing Program	0.23