

Table 17
Reliability and Standard Errors of Items and Scales
For Four Class Sizes

Teaching Methods	All Classes		Class Size							
	Mean	s.d.	10-14		15-34		35-49		50+	
			r ₁₁	s.e.	r ₁₁	s.e.	r ₁₁	s.e.	r ₁₁	s.e.
1. Displayed personal interest in students	4.34	.498	.81	.22	.89	.17	.93	.13	.95	.11
2. Helped students answer own questions	4.10	.520	.79	.24	.88	.18	.93	.14	.95	.12
3. Scheduled work helpfully	4.20	.481	.75	.24	.86	.18	.91	.14	.94	.12
4. Demonstrated imp of subject	4.32	.455	.77	.22	.87	.17	.92	.13	.94	.11
5. Formed teams, discussion groups	3.52	1.03	.90	.33	.95	.24	.97	.18	.98	.16
6. Made clear how topics fit	4.20	.506	.77	.24	.87	.18	.92	.14	.94	.12
7. Explained criticisms	3.78	.570	.72	.30	.84	.23	.90	.18	.93	.16
8. Stimulated intellectual effort	3.86	.573	.77	.27	.87	.21	.92	.17	.94	.14
9. Encouraged use of multiple resources	3.78	.696	.82	.29	.90	.22	.94	.17	.96	.14
10. Explained clearly	4.12	.610	.83	.25	.91	.19	.94	.15	.96	.12
11. Related to real life	4.22	.581	.82	.25	.90	.19	.94	.14	.96	.12
12. Tests covered important points	4.28	.492	.79	.23	.88	.17	.93	.13	.95	.11
13. Introduced stimulating ideas	4.03	.583	.81	.25	.89	.19	.94	.15	.95	.13
14. Involved students in hands on activities	3.76	.805	.84	.32	.91	.24	.95	.18	.96	.15
15. Inspired students to set high goals	3.76	.621	.78	.29	.88	.22	.92	.17	.95	.15
16. Asked students to share experiences	3.69	.790	.84	.32	.91	.24	.95	.19	.96	.16
17. Provided timely feedback	4.11	.593	.81	.26	.89	.20	.93	.15	.95	.13
18. Asked students to help each other	3.79	.642	.79	.30	.88	.22	.93	.17	.95	.15
19. Assessments required creativity	3.92	.649	.81	.28	.89	.21	.94	.17	.95	.14
20. Encouraged student/faculty contact	3.90	.627	.78	.29	.88	.22	.92	.17	.95	.15
Learning Objectives										
21. Factual knowledge	4.00	.495	.77	.24	.87	.18	.92	.14	.94	.12
22. Principles and theories	3.94	.485	.76	.24	.86	.18	.91	.14	.94	.12
23. Applications	3.99	.516	.75	.26	.85	.20	.91	.16	.93	.13
24. Professional skills, viewpoints	4.04	.424	.75	.21	.86	.16	.91	.13	.94	.11
25. Team skills	3.93	.632	.85	.24	.92	.19	.95	.14	.97	.12
26. Creative capacities	3.87	.701	.83	.29	.91	.21	.95	.16	.96	.14
27. Broad liberal education	3.69	.731	.79	.34	.88	.25	.93	.20	.95	.17
28. Communication skills	3.79	.676	.84	.27	.91	.20	.95	.16	.96	.13
29. Find, use resources	3.73	.571	.75	.28	.86	.22	.91	.17	.94	.14
30. Values development	3.78	.629	.79	.29	.88	.22	.93	.17	.95	.14
31. Critical analysis	3.84	.590	.78	.28	.87	.21	.92	.16	.94	.14
32. Interest in learning	3.79	.562	.73	.29	.84	.22	.90	.18	.93	.15
Course Ratings										
33. Amount of reading	3.20	.741	.89	.24	.94	.18	.97	.14	.98	.12
34. Amount of other work	3.42	.589	.81	.26	.89	.19	.94	.15	.95	.13
35. Difficulty of subject matter	3.42	.581	.82	.24	.90	.18	.94	.14	.96	.12
Self-ratings										
36. Strong desire to take the course	3.66	.671	.80	.30	.84	.23	.93	.18	.95	.15
37. Worked harder on this course than most	3.57	.557	.77	.27	.87	.20	.92	.16	.94	.14
38. Wanted this instructor	3.40	.675	.80	.30	.89	.23	.93	.18	.95	.15
39. Wanted course regardless of instructor	3.33	.560	.65	.33	.78	.26	.86	.21	.90	.18
43. Usually work hard on academic work	3.64	.308	.39	.24	.56	.20	.69	.17	.76	.15
Global Ratings										
40. Increase positive attitude toward field	3.86	.602	.75	.30	.86	.23	.91	.18	.94	.15
41. Excellent instructor	4.18	.643	.83	.26	.91	.20	.94	.15	.96	.13
42. Excellent course	3.92	.607	.80	.27	.89	.21	.93	.16	.95	.14
Progress on Relevant Objectives (PRO) ^a	50.9	8.6	.78	4.0	.88	3.0	.92	2.4	.95	2.0

^aPRO ratings are standardized T Scores. The distribution has a mean of 50 and standard deviation of 10. All other ratings were made on a 5-point scale where 1=low and 5=high.

Table 17 is continued on the next page.

Table 17 (continued)
Reliability and Standard Errors of Items and Scales
For Four Class Sizes

Additional Method Items	All Classes		Class Size							
			10-14		15-34		35-49		50+	
	Mean	s.d.	r ₁₁	s.e.	r ₁₁	s.e.	r ₁₁	s.e.	r ₁₁	s.e.
44. Used variety of evaluation methods	3.83	.596	.75	.30	.85	.23	.91	.18	.94	.15
45. Expected students to take responsibility	4.30	.326	.60	.21	.75	.16	.84	.13	.88	.11
46. High achievement standards	4.12	.413	.69	.23	.81	.18	.88	.14	.91	.12
47. Used educational technology	3.63	.773	.83	.32	.91	.24	.94	.18	.96	.15
Teaching Method Scales										
Stimulated Student Interest	4.03	.506	.84	.20	.91	.15	.95	.12	.96	.10
Fostering Student Collaboration	3.74	.709	.88	.24	.94	.18	.96	.14	.97	.12
Establishing Rapport	4.06	.490	.83	.20	.91	.15	.95	.12	.96	.10
Encouraging Student Involvement	3.97	.560	.86	.21	.92	.16	.95	.12	.97	.10
Structuring Classroom Experiences	4.20	.473	.85	.18	.92	.14	.95	.10	.97	.09

Ratings were made on a 5-point scale where 1=low and 5=high.

Note: Analyses reported in Table 17 used a more restricted data set. Classes with response rates less than 75% or not reporting the number enrolled were also excluded.