67489-01 **Efrat, Alon** Comparison Group(s) Results CSC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 445-001 LEC Fall and Spring **Algorithms** Comp Group 1: Comp Group 2: Enrolled: 55 Responded: 29 (52%) 5 or more enrolled large class, 40-59 enrolled **Course-Section Results** Sections: 433 Sections: 81 Resps: 19,499 Resps: 4,001 Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median Count 3.8 0.77 (3.51 - 4.08) 4.1 (4.07 - 4.17) 4.1 (4.02 - 4.20)4.2 1. Overall rating of teaching effectiveness almost always effective usually effective 14 48% sometimes effective 9 31% rarely effective 1 3% 0% almost never effective 0.91 (3.15 - 3.82) (3.75 - 3.86)3.8 (3.69 - 3.93)2. Overall instructor comparison 3.5 3.8 3.9 3.9 one of the most effective 14% more effective than most 9 31% about as effective as most 14 48% less effective than most 3% one of the least effective 1 0.85 (3.37 - 4.00) 3.8 3. Overall rating of the course 3.7 3.8 (3.75 - 3.85)(3.69 - 3.90)3.9 6 21% one of the best better than average 9 31% about average 13 45% worse than average 1 3% 0% 0 one of the worst 3.9 0.90 (3.56 - 4.23) 3.9 (3.88 - 3.97)4.0 (3.87 - 4.04)4. Amount learned 4.0 9 31% much more than usual more than usual 9 31% about as much as usual 10 34% less than usual 0% much less than usual 5. Usefulness of the in-class activities 3.8 1.02 (3.44 - 4.21) 4.0 (3.92 - 4.01)4.0 3.9 (3.85 - 4.03)4.0 almost always useful 32% usually useful 8 29% sometimes useful 29% rarely useful 3 11% almost never useful 6. Usefulness of the outside assignments 4.1 0.82 (3.80 - 4.41) 4.2 (4.16 - 4.24)4.2 (4.08 - 4.25)4.2 almost always useful 11 38% 34% usually useful sometimes useful 8 28% rarely useful 0 0% almost never useful 0 7. Usefulness of course materials (new question) 3.9 1.01 (3.48 - 4.24) 3.8 (3.76 - 3.86)3.8 (3.66 - 3.86)3.8 almost always useful 8 29% usually useful 39% sometimes useful 25% rarely useful 1 4% 4% almost never useful 1 8. Students treated with respect 0.63 (4.33 - 4.81) 4.6 (4.61 - 4.66)4.6 (4.55 - 4.66)4.6 64% strongly agree 18 8 29% agree uncertain 2 7% disagree 0 0% strongly disagree 9. Difficulty level of the course (new order) 0.71 (4.05 - 4.57) (3.76 - 3.86)3.9 (3.78 - 3.99)3.9 much more than usual 13 more than usual 41% 12 4 about the same as usual 14% less than usual 0 0% 0% much less than usual 0 10. Value of time spent on course 0.75 (3.79 - 4.35) 4.1 (4.06 - 4.14)4.1 (3.97 - 4.14)4.0 almost all valuable 9 31% more than half valuable 13 45% about half valuable 7 24% less than half valuable 0 0% almost none valuable 0%

Fall - 2014

### **TCE Course - Section Comparison Report**

**Efrat, Alon** Comparison Group(s) Results CSC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 445-002 LEC Fall and Spring **Algorithms** Comp Group 1: Comp Group 2: Enrolled: 11 Responded: 11 (100%) 5 or more enrolled small class, 5-19 enrolled **Course-Section Results** Sections: 433 Resps: 19,499 Sections: 143 Resps: 1,309 Count Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median 3.9 0.94 (3.32 - 4.49) 4.1 (4.07 - 4.17) 4.3 (4.22 - 4.38)4.4 1. Overall rating of teaching effectiveness almost always effective usually effective 5 45% sometimes effective 2 18% rarely effective 1 9% almost never effective 0% 1.01 (2.65 - 3.90) 3.8 (3.75 - 3.86)4.0 (3.90 - 4.10)2. Overall instructor comparison 3.3 3.9 4.1 one of the most effective 9% more effective than most 3 27% about as effective as most 6 55% less effective than most 0% 9% one of the least effective 1 1.01 (2.65 - 3.90) 3.8 (3.75 - 3.85)3.9 3. Overall rating of the course 3.3 (3.83 - 3.99)4.0 one of the best 9% better than average 3 27% about average 6 55% worse than average 0 0% 9% one of the worst 1 3.8 1.08 (3.15 - 4.49) 3.9 (3.88 - 3.97)4.0 (3.88 - 4.04)4. Amount learned 4.0 4 36% much more than usual more than usual 2 18% about as much as usual 4 36% less than usual 0% much less than usual 5. Usefulness of the in-class activities 4.0 1.10 (3.32 - 4.68) 4.0 (3.92 - 4.01)4.0 4.2 (4.07 - 4.24)4.3 almost always useful 36% usually useful 5 45% sometimes useful 0% 2 rarely useful 18% almost never useful 0 8. Students treated with respect 4.3 1.01 (3.65 - 4.90) 4.6 (4.61 - 4.66)4.7 (4.71 - 4.78)4.8 strongly agree 6 55% 27% agree uncertain 1 9% disagree 1 9% strongly disagree 0 9. Difficulty level of the course (new order) 3.9 0.94 (3.32 - 4.49) 3.8 (3.76 - 3.86)3.8 (3.66 - 3.86)3.8 much more than usual 27% more than usual 45% 18% about the same as usual 2 less than usual 9% much less than usual 0 10. Value of time spent on course 0.94 (3.51 - 4.68) (4.06 - 4.14)4.2 (4.14 - 4.30)4.3 almost all valuable 36% more than half valuable 45% about half valuable 9% 1 9% 0% less than half valuable 1 almost none valuable

Efrat, Alon							<u>Com</u>	<u>parison Gro</u>	up(s) Results		
CSC 625-001 LEC						1	cture, Seminar	rs, Colloquia	Graduate		
Advanced Topic: Sensor and	Ad Hoc Ne	twork Optimiza	tion				II and Spring		T		
Enrolled: 12 Responde	A- 10 (83)	26)				Comp Grou	ıp <b>1</b> :	C_SCALGO	Comp Group 2	2:	
Elliolica. 12 Responde	. 10 (00 i		ection Res	ulto		5 or more					
		Courses	ection res	uits		Sections: 1	188 Re	esps: 3,766			
	Count	Pct Resp	Mean	St.Dev	(95% CI)	Mean	(95% CI)	Median	Mean	(95% CI)	Median
<ol> <li>Overall rating of teaching</li> </ol>	geffective	ness	4.4	0.70	(3.94 - 4.86)	4.3	(4.26 - 4.37)	4.4			
almost always effective	5	50%									
usually effective	4	40%									
sometimes effective	1	10%									
rarely effective almost never effective	0 0	0% 0%									
<ol><li>Overall instructor compa</li></ol>			3.4	0.70	(2.94 - 3.86)	4.0	(3.89 - 4.04)	4.0			
one of the most effective	1	10%									
more effective than most	2	20%									
about as effective as most less effective than most	7 0	70% 0%									
one of the least effective	0	0%									
<ol><li>Overall rating of the cour</li></ol>	se		3.8	0.63	(3.39 - 4.21)	4.1	(4.01 - 4.12)	4.1			
one of the best	1	10%									
better than average	6	60%									
about average	3	30%									
worse than average one of the worst	0 0	0% 0%									
one of the worst	Ü										
4. Amount learned			3.4	0.70	(2.94 - 3.86)	4.0	(3.92 - 4.03)	4.0			
much more than usual	0	0%									
more than usual	5	50%									
about as much as usual	4	40%									
less than usual	1 0	10% 0%									
much less than usual	U	<b>3</b> 70									
5. Usefulness of the in-class	s activities	3	4.3	0.67	(3.86 - 4.74)	4.2	(4.18 - 4.29)	4.3			
almost always useful	4	40%									
usually useful	5	50%									
sometimes useful	1	10%									
rarely useful	0	0% 0%									
almost never useful	0	0%									
6. Usefulness of the outside	e assignm	ents	4.0	0.76	(3.44 - 4.56)	4.3	(4.24 - 4.35)	4.4			
almost always useful	2	20%			,		,				
usually useful	4	40%									
sometimes useful	2	20%									
rarely useful	0	0%									
almost never useful	0	0%									
7. Usefulness of course ma	terials (ne	w auestion)	4.3	0.48	(3.98 - 4.62)	4.3	(4.21 - 4.31)	4.3			
almost always useful	3	30%	4.5	0.40	(3.30 4.02)	4.5	(4.21 4.51)	7.0			
usually useful	3 7	70%									
sometimes useful	0	0%									
rarely useful	0	0%									
almost never useful	0	0%									
O Ctudonto trantad with	an a at		4.0	0.20	(4 CO = 00)	4 7	(4.60, 4.60)	17			
8. Students treated with res	•	0.004	4.9	0.32	(4.69 - 5.00)	4.7	(4.62 - 4.69)	4.7			
strongly agree	9 1	90%									
agree uncertain	0	10% 0%									
disagree	0	0%									
strongly disagree	0	0%									
						_					
<ol><li>Difficulty level of the coul</li></ol>			3.0	0.67	(2.56 - 3.44)	3.7	(3.63 - 3.76)	3.7			
much more than usual	0	0%									
more than usual	2	20%									
about the same as usual less than usual	6 2	60% 20%									
much less than usual	0	20% 0%									
<ol><li>Value of time spent on co</li></ol>	ourse		4.2	0.79	(3.68 - 4.72)	4.3	(4.21 - 4.31)	4.3			
almost all valuable	4	40%									
more than half valuable	4	40%									
about half valuable less than half valuable	2 0	20% 0%									
almost none valuable	0	0% 0%									
a.most none valuable	U										

68678-01 **Efrat, Alon** Comparison Group(s) Results CSC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 433-001 LEC Fall and Spring **Computer Graphics** Comp Group 1: Comp Group 2: Enrolled: 25 Responded: 14 (56%) 5 or more enrolled medium class, 20-39 enrolled **Course-Section Results** Sections: 433 Sections: 54 Resps: 19,499 Resps: 1,687 Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median Count 3.4 0.94 (2.92 - 3.94)4.1 (4.07 - 4.17) 4.2 4.0 (3.86 - 4.16)4.2 1. Overall rating of teaching effectiveness almost always effective usually effective 64% 9 sometimes effective 3 21% rarely effective 1 7% almost never effective 0.92 (2.57 - 3.57) (3.75 - 3.86)3.7 2. Overall instructor comparison 3.1 3.8 3.9 (3.49 - 3.85)3.8 one of the most effective 0% more effective than most 5 36% about as effective as most 6 43% less effective than most 2 14% one of the least effective 1 0.91 (2.79 - 3.78) 3.8 3. Overall rating of the course 3.3 3.8 (3.75 - 3.85)(3.59 - 3.91)3.9 0 0% one of the best better than average 50% about average 5 36% worse than average 1 7% 7% 1 one of the worst 3.3 0.75 (2.88 - 3.73) 3.9 (3.88 - 3.97)3.8 (3.69 - 3.97)4. Amount learned 3.9 0% much more than usual 0 more than usual 6 46% about as much as usual 5 38% less than usual 15% much less than usual 5. Usefulness of the in-class activities 3.5 0.94 (2.99 - 4.01) 4.0 (3.92 - 4.01)4.0 3.9 (3.76 - 4.04)4.0 almost always useful 7% usually useful 50% sometimes useful 36% rarely useful 0 0% almost never useful 6. Usefulness of the outside assignments 4.1 0.95 (3.63 - 4.66) 4.2 (4.16 - 4.24)4.2 (4.05 - 4.31)4.3 almost always useful 43% 36% usually useful sometimes useful 14% rarely useful 1 7% 0% almost never useful 0 7. Usefulness of course materials (new question) 3.6 1.09 (2.98 - 4.16) 3.8 (3.76 - 3.86)3.9 (3.71 - 4.00)3.9 almost always useful 14% usually useful 50% sometimes useful 3 21% rarely useful almost never useful 1 8. Students treated with respect 0.85 (4.04 - 4.96) 4.6 (4.61 - 4.66)4.6 (4.55 - 4.71)64% strongly agree 29% agree 0 0% uncertain disagree 1 strongly disagree 9. Difficulty level of the course (new order) 0.70 (3.41 - 4.17) (3.76 - 3.86)(3.56 - 3.83)3.7 much more than usual more than usual 50% about the same as usual 5 36% less than usual 0 0% 0% much less than usual 0 10. Value of time spent on course 0.74 (3.24 - 4.05) 4.1 (4.06 - 4.14) 4.0 (3.88 - 4.14)4.1 almost all valuable 1 7% more than half valuable 8 57% about half valuable 4 29% less than half valuable 1 0% almost none valuable

76066-01 **Efrat, Alon** Comparison Group(s) Results CSC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 445-001 LEC Fall and Spring **Algorithms** Comp Group 1: Comp Group 2: Enrolled: 61 Responded: 43 (70%) 5 or more enrolled huge class, >60 enrolled **Course-Section Results** Sections: 433 Sections: 155 Resps: 12,502 Resps: 19,499 Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median Count 3.4 0.73 (3.22 - 3.66) 4.1 (4.07 - 4.17) 4.0 (3.91 - 4.07)4.1 1. Overall rating of teaching effectiveness almost always effective usually effective 18 42% sometimes effective 21 49% rarely effective 2% 1 2% almost never effective 0.72 (2.76 - 3.20) (3.75 - 3.86)3.7 2. Overall instructor comparison 3.0 3.8 3.9 (3.56 - 3.77)3.7 one of the most effective 0% more effective than most 9 21% about as effective as most 24 57% less effective than most 8 19% one of the least effective 1 0.91 (3.14 - 3.69) 3.4 3. Overall rating of the course 3.8 (3.75 - 3.85)3.7 (3.63 - 3.80)3.8 5 12% one of the best better than average 15 35% about average 16 37% worse than average 16% 0 one of the worst 3.8 0.85 (3.50 - 4.02) 3.9 (3.88 - 3.97)3.9 (3.83 - 3.98)4. Amount learned 4.0 19% much more than usual 8 more than usual 19 45% about as much as usual 12 29% less than usual 3 0% much less than usual 5. Usefulness of the in-class activities 3.4 0.89 (3.16 - 3.70) 4.0 (3.92 - 4.01)4.0 3.8 (3.76 - 3.91)3.9 almost always useful 5 12% usually useful 14 33% sometimes useful 17 40% rarely useful 6 14% almost never useful 6. Usefulness of the outside assignments 4.0 0.80 (3.76 - 4.24) 4.2 (4.16 - 4.24)4.2 (4.14 - 4.27)4.3 almost always useful 11 26% 52% usually useful 22 sometimes useful 17% rarely useful 2 5% 0% almost never useful 0 7. Usefulness of course materials (new question) 3.7 0.80 (3.40 - 3.90) 3.8 (3.76 - 3.86)3.7 (3.63 - 3.80)3.8 almost always useful 15% usually useful 40% sometimes useful 16 40% rarely useful 2 5% almost never useful 0 8. Students treated with respect 0.63 (4.23 - 4.61) 4.6 (4.61 - 4.66)4.5 (4.50 - 4.58)4.6 21 49% strongly agree 44% agree 19 uncertain 3 7% 0% 0% disagree 0 strongly disagree 9. Difficulty level of the course (new order) 0.68 (4.03 - 4.44) (3.76 - 3.86)3.9 (3.78 - 3.93)3.8 much more than usual 16 more than usual 49% 21 about the same as usual 6 14% less than usual 0 0% 0% much less than usual 0 10. Value of time spent on course 0.99 (3.44 - 4.04) 4.1 (4.06 - 4.14) 4.1 (4.00 - 4.12)4.1 almost all valuable 11 26% more than half valuable 14 33% about half valuable 12 29% less than half valuable 5 12% almost none valuable 0%

**Efrat, Alon** Comparison Group(s) Results CSC Lecture, Seminars, Colloquia Graduate CSC 545-001 LEC Fall and Spring **Design and Analysis of Algorithms** Comp Group 1: Comp Group 2: Enrolled: 25 Responded: 18 (72%) 5 or more enrolled **Course-Section Results** Sections: 188 Resps: 3,766 Count Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median 1. Overall rating of teaching effectiveness 3.8 0.88 (3.36 - 4.20)4.3 (4.26 - 4.37) almost always effective 28% usually effective 22% sometimes effective 9 50% rarely effective 0 0% 0% almost never effective 3.5 1.10 (2.98 - 4.02) 4.0 (3.89 - 4.04)2. Overall instructor comparison 4.0 one of the most effective 28% more effective than most 11% about as effective as most 8 44% less effective than most 17% 0% one of the least effective 0 0.94 (3.33 - 4.23) 4.1 (4.01 - 4.12) 4.1 3. Overall rating of the course 3.8 22% one of the best better than average 8 44% about average 4 22% worse than average 2 11% 0 one of the worst 1.11 (3.25 - 4.31) 3.8 4.0 (3.92 - 4.03)4. Amount learned 28% much more than usual 5 more than usual 39% about as much as usual 22% less than usual much less than usual 5. Usefulness of the in-class activities 4.0 0.97 (3.54 - 4.46) 4.2 (4.18 - 4.29)4.3 almost always useful 39% usually useful 28% sometimes useful 28% rarely useful 1 6% 0% almost never useful 8. Students treated with respect 4.6 0.50 (4.37 - 4.85) 4.7 (4.62 - 4.69)strongly agree 11 61% 39% agree uncertain 0 0% disagree 0 0% strongly disagree 9. Difficulty level of the course (new order) 3.6 1.04 (3.12 - 4.10) 3.7 (3.63 - 3.76) 3.7 much more than usual 17% more than usual 28% about the same as usual 5 less than usual 6% much less than usual 1 10. Value of time spent on course 0.90 (3.62 - 4.50) 4.3 (4.21 - 4.31)almost all valuable 35% more than half valuable 41% about half valuable 18% 3 6% 0% less than half valuable 1 almost none valuable

Efrat, Alon Comparison Group(s) Results CSC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 433-001 LEC Fall and Spring **Computer Graphics** Comp Group 1: Comp Group 2: Enrolled: 39 Responded: 29 (74%) medium class, 20-39 enrolled 5 or more enrolled **Course-Section Results** Sections: 433 Resps: 19,499 Sections: 54 Resps: 1,687 Count Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median 1. Overall rating of teaching effectiveness 3.3 0.92 (2.93 - 3.62) 4.1 (4.07 - 4.17) 4.0 (3.86 - 4.16)4.2 almost always effective usually effective 10 34% sometimes effective 12 41% rarely effective 4 14% almost never effective 1.00 (2.46 - 3.20) 3.8 (3.75 - 3.86)3.7 (3.49 - 3.85)2. Overall instructor comparison 2.8 3.9 3.8 one of the most effective 7% more effective than most 4 14% about as effective as most 12 41% less effective than most 9 31% one of the least effective 2 1.18 (2.67 - 3.54) 3.8 (3.75 - 3.85)3.8 (3.59 - 3.91)3. Overall rating of the course 3.1 3.9 14% one of the best better than average 24% about average 8 28% worse than average 8 28% 2 one of the worst 1.11 (3.08 - 3.92) 3.8 3.5 3.9 (3.88 - 3.97)(3.69 - 3.97)4. Amount learned 3.9 21% much more than usual 6 more than usual 8 29% about as much as usual 9 32% less than usual 14% much less than usual 5. Usefulness of the in-class activities 3.5 0.92 (3.12 - 3.81) 4.0 (3.92 - 4.01)4.0 3.9 (3.76 - 4.04)4.0 almost always useful 4 14% usually useful 9 31% sometimes useful 11 38% rarely useful 14% almost never useful 0 8. Students treated with respect 4.9 0.44 (4.70 - 5.00) 4.6 (4.61 - 4.66)4.6 (4.55 - 4.71)4.7 strongly agree 26 90% agree uncertain 1 3% disagree 0 0% strongly disagree 0 9. Difficulty level of the course (new order) 4.1 0.72 (3.80 - 4.34) 3.8 (3.76 - 3.86)3.7 (3.56 - 3.83)3.7 much more than usual 29% more than usual 50% about the same as usual 6 21% less than usual 0 0% much less than usual 0 10. Value of time spent on course 1.13 (3.31 - 4.18) (4.06 - 4.14)4.0 (3.88 - 4.14)almost all valuable 30% more than half valuable 33% about half valuable 6 22% 11% 4% less than half valuable 3 almost none valuable

Efrat, Alon Comparison Group(s) Results CSC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 445-001 LEC Fall and Spring **Algorithms** Comp Group 1: Comp Group 2: Enrolled: 78 Responded: 41 (52%) 5 or more enrolled huge class, >60 enrolled **Course-Section Results** Sections: 433 Resps: 19,499 Sections: 155 Resps: 12,502 Count Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median 1. Overall rating of teaching effectiveness 3.2 0.91 (2.94 - 3.50) 4.1 (4.07 - 4.17) 4.0 (3.91 - 4.07)4.1 almost always effective 3 usually effective 12 29% sometimes effective 18 44% rarely effective 17% almost never effective 1.00 (2.52 - 3.14) 3.8 (3.75 - 3.86)3.7 2. Overall instructor comparison 2.8 3.9 (3.56 - 3.77)3.7 one of the most effective 7% more effective than most 6 15% about as effective as most 15 37% less effective than most 15 37% one of the least effective 0.87 (2.53 - 3.08) 3.8 (3.75 - 3.85)3. Overall rating of the course 2.8 3.7 (3.63 - 3.80)3.8 2 one of the best 5% better than average 5 12% about average 18 44% worse than average 15 37% one of the worst 1 3.2 0.85 (2.96 - 3.48) 3.9 (3.88 - 3.97)3.9 (3.83 - 3.98)4. Amount learned 4.0 7% much more than usual .3 more than usual 11 27% about as much as usual 19 46% less than usual 8 20% much less than usual 5. Usefulness of the in-class activities 3.3 1.14 (2.97 - 3.68) 4.0 (3.92 - 4.01)4.0 3.8 (3.76 - 3.91)3.9 almost always useful 18% usually useful 11 28% sometimes useful 12 30% rarely useful 8 20% almost never useful 2 8. Students treated with respect 0.78 (4.20 - 4.68) 4.6 (4.61 - 4.66)4.5 (4.50 - 4.58)4.6 strongly agree 24 59% 12 29% agree uncertain 10% disagree 1 2% 0% strongly disagree 0 9. Difficulty level of the course (new order) 4.0 0.96 (3.73 - 4.32) 3.8 (3.76 - 3.86)3.9 (3.78 - 3.93)3.8 much more than usual 16 39% more than usual 32% about the same as usual 9 22% less than usual 3 0% much less than usual 0 10. Value of time spent on course 0.98 (3.18 - 3.84) (4.06 - 4.14)(4.00 - 4.12)almost all valuable 4 11% more than half valuable 16 46% about half valuable 11 31% less than half valuable 2 almost none valuable 2

**Efrat, Alon** Comparison Group(s) Results CSC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 437-001 LEC Fall and Spring **Geometric Algorithms** Comp Group 1: Comp Group 2: Enrolled: 16 Responded: 12 (75%) 5 or more enrolled small class, 5-19 enrolled **Course-Section Results** Sections: 433 Resps: 19,499 Sections: 143 Resps: 1,309 Count Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median 1. Overall rating of teaching effectiveness 4.4 0.51 (4.11 - 4.72) 4.1 (4.07 - 4.17) 4.3 (4.22 - 4.38)4.4 almost always effective usually effective 58% sometimes effective 0 0% rarely effective 0 0% almost never effective 0% 0.97 (3.18 - 4.32) 3.8 (3.75 - 3.86)4.0 (3.90 - 4.10)2. Overall instructor comparison 3.8 3.9 4.1 one of the most effective 33% more effective than most 8% about as effective as most 58% less effective than most 0 0% one of the least effective 0 0.85 (3.50 - 4.50) 3.8 (3.75 - 3.85)3.9 3. Overall rating of the course 4.0 (3.83 - 3.99)4.0 33% one of the best better than average 4 33% about average 4 33% worse than average 0 0% 0% 0 one of the worst 0.67 (3.52 - 4.31) 4.0 3.9 3.9 (3.88 - 3.97)(3.88 - 4.04)4. Amount learned 4.0 17% much more than usual more than usual 7 58% about as much as usual 3 25% less than usual 0 much less than usual 5. Usefulness of the in-class activities 4.3 0.75 (3.80 - 4.70) 4.0 (3.92 - 4.01)4.0 4.2 (4.07 - 4.24)4.3 almost always useful 42% usually useful 5 42% sometimes useful 17% 0 rarely useful 0% 0% almost never useful 0 8. Students treated with respect 4.8 0.39 (4.60 - 5.00) 4.6 (4.61 - 4.66)4.7 (4.71 - 4.78)4.8 strongly agree 10 83% 17% agree uncertain 0 0% disagree 0 0% strongly disagree 0 9. Difficulty level of the course (new order) 3.4 0.90 (2.88 - 3.95) 3.8 (3.76 - 3.86)3.8 (3.66 - 3.86)3.8 much more than usual 8% more than usual 42% about the same as usual 33% less than usual 2 17% much less than usual 0 10. Value of time spent on course 0.70 (4.14 - 5.00) (4.06 - 4.14)4.2 (4.14 - 4.30)4.3 almost all valuable 70% more than half valuable 20% about half valuable 10% 1 0% 0% less than half valuable 0 almost none valuable

71458-01 Efrat, Alon Comparison Group(s) Results CSC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 433-001 LEC Fall and Spring **Computer Graphics** Comp Group 1: Comp Group 2: Enrolled: 33 Responded: 30 (90%) medium class, 20-39 enrolled 5 or more enrolled **Course-Section Results** Sections: 433 Resps: 19,499 Sections: 54 Resps: 1,687 Count Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median 1. Overall rating of teaching effectiveness 3.7 0.99 (3.34 - 4.06)4.1 (4.07 - 4.17) 4.0 (3.86 - 4.16)4.2 almost always effective usually effective 27% 8 sometimes effective 11 37% rarely effective 3 10% almost never effective 0% 3.2 1.05 (2.78 - 3.55) 3.8 (3.75 - 3.86)3.7 (3.49 - 3.85)2. Overall instructor comparison 3.9 3.8 one of the most effective 13% more effective than most 6 20% about as effective as most 12 40% less effective than most 23% one of the least effective 1 1.21 (2.89 - 3.77) 3.8 (3.75 - 3.85)3.8 (3.59 - 3.91)3. Overall rating of the course 3.3 3.9 one of the best 23% better than average 6 20% about average 8 27% worse than average 8 27% one of the worst 1 3.8 3.7 1.07 (3.29 - 4.09) 3.9 (3.88 - 3.97)(3.69 - 3.97)4. Amount learned 3.9 8 28% much more than usual more than usual 8 28% about as much as usual 10 34% less than usual 3% much less than usual 5. Usefulness of the in-class activities 3.9 0.99 (3.50 - 4.23) 4.0 (3.92 - 4.01)4.0 3.9 (3.76 - 4.04)4.0 almost always useful 8 28% usually useful 12 41% sometimes useful 24% rarely useful 1 3% 3% almost never useful 1 8. Students treated with respect 4.5 0.86 (4.19 - 4.81) 4.6 (4.61 - 4.66)4.6 (4.55 - 4.71)4.7 strongly agree 20 67% 23% agree uncertain 1 3% disagree 2 7% 0% strongly disagree 0 9. Difficulty level of the course (new order) 3.9 0.83 (3.63 - 4.23) 3.8 (3.76 - 3.86)3.7 (3.56 - 3.83)3.7 much more than usual 20% more than usual 18 60% 17% about the same as usual 5 less than usual 0 0% much less than usual 1 10. Value of time spent on course 1.01 (3.33 - 4.10) (4.06 - 4.14)4.0 (3.88 - 4.14)almost all valuable 25% more than half valuable 10 36% about half valuable 25% 14% 0% less than half valuable 4 almost none valuable

**Efrat, Alon** Comparison Group(s) Results CSC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 445-001 LEC Fall and Spring **Algorithms** Comp Group 1: Comp Group 2: Enrolled: 53 Responded: 29 (54%) 5 or more enrolled large class, 40-59 enrolled **Course-Section Results** Sections: 433 Resps: 19,499 Sections: 81 Resps: 4,001 Count Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median 1. Overall rating of teaching effectiveness 3.9 0.92 (3.52 - 4.20) 4.1 (4.07 - 4.17) 4.1 (4.02 - 4.20)4.2 28% almost always effective usually effective 11 38% sometimes effective 8 28% rarely effective 2 7% 0% almost never effective 3.5 1.07 (3.10 - 3.90) 3.8 (3.75 - 3.86)3.8 (3.69 - 3.93)2. Overall instructor comparison 3.9 3.9 one of the most effective 25% more effective than most 4 14% about as effective as most 14 50% less effective than most 2 7% 4% one of the least effective 1 1.09 (3.05 - 3.85) 3.4 3.8 (3.75 - 3.85)3.8 3. Overall rating of the course (3.69 - 3.90)3.9 24% one of the best better than average 5 17% about average 11 38% worse than average 6 21% 0 one of the worst 3.6 1.05 (3.20 - 3.98) 3.9 (3.88 - 3.97)4.0 (3.87 - 4.04)4. Amount learned 4.0 24% much more than usual more than usual 8 28% about as much as usual 9 31% less than usual 5 17% much less than usual 5. Usefulness of the in-class activities 3.4 1.24 (2.99 - 3.91) 4.0 (3.92 - 4.01)4.0 3.9 (3.85 - 4.03)4.0 almost always useful 28% usually useful 6 21% sometimes useful rarely useful 24% almost never useful 1 8. Students treated with respect 4.9 0.36 (4.72 - 4.99) 4.6 (4.61 - 4.66)4.6 (4.55 - 4.66)4.6 strongly agree 24 86% 14% agree uncertain 0 0% disagree 0 0% strongly disagree 0 9. Difficulty level of the course (new order) 3.6 0.88 (3.24 - 3.90) 3.8 (3.76 - 3.86)3.9 (3.78 - 3.99)3.9 much more than usual 14% more than usual 39% 36% about the same as usual 10 less than usual 3 11% much less than usual 0 10. Value of time spent on course 0.98 (3.64 - 4.45) (4.06 - 4.14)4.1 (3.97 - 4.14)4.0 almost all valuable 10 43% more than half valuable 5 22% about half valuable 30% less than half valuable 1 almost none valuable

**Efrat, Alon** Comparison Group(s) Results CSC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 437-001 LEC Fall and Spring **Geometric Algorithms** Comp Group 1: Comp Group 2: Enrolled: 21 Responded: 18 (85%) 5 or more enrolled medium class, 20-39 enrolled **Course-Section Results** Sections: 433 Sections: 54 Resps: 19,499 Resps: 1,687 Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median Count 4.5 0.71 (4.16 - 4.84) 4.1 (4.07 - 4.17) 4.0 (3.86 - 4.16)4.2 1. Overall rating of teaching effectiveness almost always effective 61% usually effective 5 28% sometimes effective 2 11% 0% rarely effective 0 almost never effective 0% 1.06 (3.55 - 4.56) (3.75 - 3.86)3.7 2. Overall instructor comparison 4.1 3.8 3.9 (3.49 - 3.85)3.8 one of the most effective 44% more effective than most 5 28% about as effective as most 3 17% less effective than most 2 11% 0% one of the least effective 0 0.77 (3.97 - 4.70) 3.8 3. Overall rating of the course 4.3 3.8 (3.75 - 3.85)(3.59 - 3.91)3.9 9 50% one of the best better than average 6 33% about average 3 17% worse than average 0 0% 0% one of the worst 0 4.3 0.83 (3.88 - 4.67) 3.9 (3.88 - 3.97)3.8 (3.69 - 3.97)4. Amount learned 3.9 44% much more than usual 8 more than usual 8 44% about as much as usual 1 less than usual 6% 0% much less than usual 5. Usefulness of the in-class activities 4.5 0.62 (4.21 - 4.79) 4.0 (3.92 - 4.01)4.0 3.9 (3.76 - 4.04)4.0 almost always useful 10 56% usually useful 39% sometimes useful 6% rarely useful 0 0% 0% almost never useful 6. Usefulness of the outside assignments 4.7 0.69 (4.34 - 4.99) 4.2 (4.16 - 4.24)4.2 (4.05 - 4.31)4.3 almost always useful 14 78% usually useful 11% sometimes useful 2 11% rarely useful 0 0% almost never useful 0 7. Usefulness of course materials (new question) 0.70 (4.11 - 4.78) 3.8 (3.76 - 3.86)3.9 (3.71 - 4.00)3.9 almost always useful 10 56% usually useful 33% sometimes useful 2 11% rarely useful 0 0% almost never useful 0 8. Students treated with respect 0.32 (4.74 - 5.00) 4.6 (4.61 - 4.66)4.6 (4.55 - 4.71)strongly agree 16 89% 2 11% agree 0 uncertain 0% 0% 0% disagree 0 strongly disagree 9. Difficulty level of the course (new order) 0.64 (3.64 - 4.25) (3.76 - 3.86)(3.56 - 3.83)3.7 much more than usual 3 17% more than usual 61% 11 about the same as usual 4 22% less than usual 0 0% 0% much less than usual 0 10. Value of time spent on course 0.62 (4.26 - 4.85) 4.1 (4.06 - 4.14)4.0 (3.88 - 4.14)4.1 almost all valuable 11 61% more than half valuable 6 33% about half valuable 1 6% less than half valuable 0 0% almost none valuable 0%

**TCE Course - Section Comparison Report** 25860-01 **Efrat, Alon** Comparison Group(s) Results CSC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 433-001 LEC Fall and Spring **Computer Graphics** Comp Group 1: Comp Group 2: Enrolled: 30 Responded: 18 (60%) 5 or more enrolled medium class, 20-39 enrolled **Course-Section Results** Sections: 433 Sections: 54 Resps: 19,499 Resps: 1,687 Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median Count 4.2 0.73 (3.87 - 4.57) 4.1 (4.07 - 4.17) 4.2 4.0 (3.86 - 4.16)4.2 1. Overall rating of teaching effectiveness almost always effective usually effective 8 44% sometimes effective 3 17% 0% rarely effective 0 almost never effective 0% 1.00 (3.30 - 4.25) (3.75 - 3.86)3.7 2. Overall instructor comparison 3.8 3.8 3.9 (3.49 - 3.85)3.8 one of the most effective 22% more effective than most 50% about as effective as most 2 11% less effective than most 3 17% 0% one of the least effective 0 0.94 (3.33 - 4.23) 3.8 3. Overall rating of the course 3.8 3.8 (3.75 - 3.85)(3.59 - 3.91)3.9 3 17% one of the best better than average 10 56% about average 4 22% worse than average 0 0% 6% one of the worst 1 0.77 (3.64 - 4.36) 3.9 (3.88 - 3.97)3.8 (3.69 - 3.97)4. Amount learned 4.0 3.9 28% much more than usual 5 more than usual 8 44% about as much as usual 5 28% less than usual 0 much less than usual 5. Usefulness of the in-class activities 3.9 1.08 (3.38 - 4.40) 4.0 (3.92 - 4.01)4.0 3.9 (3.76 - 4.04)4.0 almost always useful 28% usually useful 9 50% sometimes useful 11% rarely useful 1 6% almost never useful 6. Usefulness of the outside assignments 4.6 0.62 (4.26 - 4.85) 4.2 (4.16 - 4.24)4.2 (4.05 - 4.31)4.3 almost always useful 11 61% usually useful 33% sometimes useful 1 6% rarely useful 0 0% almost never useful 0 7. Usefulness of course materials (new question) 4.1 0.97 (3.59 - 4.53) 3.8 (3.76 - 3.86)3.9 (3.71 - 4.00)3.9 almost always useful 39% usually useful 28% sometimes useful 22% rarely useful 1 6% almost never useful 0 8. Students treated with respect 0.38 (4.65 - 5.00) 4.6 (4.61 - 4.66)4.6 (4.55 - 4.71)15 strongly agree 83% 17% agree 3 uncertain 0 0% 0% 0% disagree 0 strongly disagree 9. Difficulty level of the course (new order) 0.57 (3.45 - 4.00) (3.76 - 3.86)(3.56 - 3.83)3.7 much more than usual more than usual 61% 11 about the same as usual 6 33% less than usual 0 0% 0% much less than usual 0 10. Value of time spent on course 0.73 (3.87 - 4.57) 4.1 (4.06 - 4.14) 4.0 (3.88 - 4.14)4.1 almost all valuable 39% more than half valuable 8 44% about half valuable 3 17% less than half valuable 0 0% almost none valuable 0%

Efrat, Alon							<u>Com</u>	<u>oarison Gro</u>	up(s) Resul	<u>lts</u>	
CSC 545-001 LEC							cture, Seminai	s, Colloquia	Graduate		
Design and Analysis of								0.0041.00			
Enrolled: 23 Respond	ed: 22 (95	%)				Comp Grou		C_SCALGO	Comp Grou	p 2:	
	(		ection Res	ulte		5 or more					
						Sections:		sps: 3,766			
	Count	Pct Resp	Mean	St.Dev	(95% CI)	Mean	(95% CI)	Median	Mean	(95% CI)	Median
<ol> <li>Overall rating of teaching</li> </ol>	g effective	ness	3.7	0.94	(3.33 - 4.13)	4.3	(4.26 - 4.37)	4.4			
almost always effective	4	18%									
usually effective	11 4	50% 18%									
sometimes effective rarely effective	3	14%									
almost never effective	0	0%									
O Overell instructor comm			2.4	1.00	(0.64, 0.55)	4.0	(2.80, 4.04)	4.0			
2. Overall instructor compa	arison 3	4.40/	3.1	1.06	(2.64 - 3.55)	4.0	(3.89 - 4.04)	4.0			
one of the most effective more effective than most	3	14% 14%									
about as effective as most	10	45%									
less effective than most	5	23%									
one of the least effective	1	5%									
3. Overall rating of the cour	rse		3.5	1.14	(3.01 - 3.99)	4.1	(4.01 - 4.12)	4.1			
one of the best	5	23%	5.0		,		(				
better than average	6	27%									
about average	7	32%									
worse than average	3	14%									
one of the worst	1	5%									
4. Amount learned			3.5	0.80	(3.11 - 3.80)	4.0	(3.92 - 4.03)	4.0			
much more than usual	2	9%			(3.22 3.33)		(0.02				
more than usual	8	36%									
about as much as usual	10	45%									
less than usual	2	9% 0%									
much less than usual	0	076									
5. Usefulness of the in-class	s activities	5	3.6	1.10	(3.12 - 4.06)	4.2	(4.18 - 4.29)	4.3			
almost always useful	4	18%									
usually useful	10	45%									
sometimes useful	4	18%									
rarely useful almost never useful	3 1	14% 5%									
6. Usefulness of the outsid	e assignm	ents	3.9	0.89	(3.48 - 4.24)	4.3	(4.24 - 4.35)	4.4			
almost always useful	6	27%									
usually useful sometimes useful	8 7	36% 32%									
rarely useful	1	5%									
almost never useful	0	0%									
<b>-</b>					(0.40.4.04)						
7. Usefulness of course ma			3.9	0.89	(3.48 - 4.24)	4.3	(4.21 - 4.31)	4.3			
almost always useful usually useful	6 8	27% 36%									
sometimes useful	8 7	36% 32%									
rarely useful	1	5%									
almost never useful	0	0%									
8. Students treated with re	enect		4.2	0 91	(3.79 - 4.57)	4.7	(4.62 - 4.69)	4.7			
strongly agree	10	45%	7.2	0.51	(3.73 4.37)	7.7	(4.02 4.03)	7.1			
agree	7	45% 32%									
uncertain	4	18%									
disagree	1	5%									
strongly disagree	0	0%									
9. Difficulty level of the cou	ırse (new	order)	3.9	0.77	(3.53 - 4.19)	3.7	(3.63 - 3.76)	3.7			
much more than usual	5	23%			/		/				
more than usual	9	41%									
about the same as usual	8	36%									
less than usual	0	0% 0%									
much less than usual	0	3,0									
0. Value of time spent on c	ourse		3.6	0.95	(3.23 - 4.04)	4.3	(4.21 - 4.31)	4.3			
almost all valuable	4	18%									
more than half valuable	9	41%									
about half valuable	6	27%									
less than half valuable	3 0	14% 0%									
almost none valuable	U					1					

Efrat, Alon							<u>Com</u> j	oarison Gro	up(s) Results		
CSC 625-001 LEC						1	cture, Seminar	s, Colloquia	Graduate		
Advanced Topic: Sensor							II and Spring				
Enrolled: 11 Responde	d· 10 (00°	<b>%</b> )				Comp Grou	ıp <b>1</b> :	C_SCALGO	Comp Group 2	<b>:</b>	
Emolica. 11 Responde	. 10 (50 )		ection Res	ulte		5 or more					
						Sections:		sps: 3,766			
	Count	Pct Resp	Mean	St.Dev	(95% CI)	Mean	(95% CI)	Median	Mean	(95% CI)	Median
1. Overall rating of teaching	geffective	ness	4.1	1.10	(3.38 - 4.82)	4.3	(4.26 - 4.37)	4.4			
almost always effective	5	50%									
usually effective	2 2	20% 20%									
sometimes effective rarely effective	1	20% 10%									
almost never effective	0	0%									
					(0.04 4.00)		(0.00 4.04)				
Overall instructor compa			3.7	1.06	(3.01 - 4.39)	4.0	(3.89 - 4.04)	4.0			
one of the most effective	2	20%									
more effective than most	5	50%									
about as effective as most less effective than most	1 2	10% 20%									
one of the least effective	0	0%									
3. Overall rating of the cour			3.5	1.27	(2.67 - 4.33)	4.1	(4.01 - 4.12)	4.1			
one of the best	2	20%									
better than average	4	40%									
about average	2 1	20% 10%									
worse than average one of the worst	1	10%									
	_										
4. Amount learned			3.5	1.18	(2.73 - 4.27)	4.0	(3.92 - 4.03)	4.0			
much more than usual	3	30%									
more than usual	1	10%									
about as much as usual	4	40%									
less than usual much less than usual	2 0	20% 0%									
much less than usual	U	2.0									
5. Usefulness of the in-class	s activities	;	3.9	1.05	(3.16 - 4.62)	4.2	(4.18 - 4.29)	4.3			
almost always useful	3	33%									
usually useful	3	33%									
sometimes useful	2	22%									
rarely useful	1	11%									
almost never useful	0	0%									
6. Usefulness of the outside	assignm	ents	3.9	1.29	(3.06 - 4.74)	4.3	(4.24 - 4.35)	4.4			
almost always useful	4	40%			(0.00		( :,				
usually useful	3	30%									
sometimes useful	2	20%									
rarely useful	0	0%									
almost never useful	1	10%									
7 Usofulness of source ma	torials (no	w guestion)	4.3	0.95	(3.68 - 4.92)	4.3	(4.21 - 4.31)	4.3			
7. Usefulness of course ma			4.3	0.95	(3.68 - 4.92)	4.3	(4.21 - 4.31)	4.3			
almost always useful	5 4	50%									
usually useful sometimes useful	0	40% 0%									
rarely useful	1	10%									
almost never useful	0	0%									
								. =			
<ol><li>Students treated with res</li></ol>			4.4	0.97	(3.77 - 5.00)	4.7	(4.62 - 4.69)	4.7			
strongly agree	6	60%									
agree	3	30%									
uncertain	0 1	0%									
disagree strongly disagree	0	10% 0%									
Salariary alloughou	J										
9. Difficulty level of the cour	rse (new o	order)	2.9	0.57	(2.53 - 3.27)	3.7	(3.63 - 3.76)	3.7			
much more than usual	o	0%									
more than usual	1	10%									
about the same as usual	7	70%									
less than usual	2	20% 0%									
much less than usual	0	070									
O. Value of time spent on co	ourse		4.2	0.92	(3.60 - 4.80)	4.3	(4.21 - 4.31)	4.3			
almost all valuable	5	50%			,		,				
more than half valuable	2	20%									
about half valuable	3	30%									
less than half valuable	0	0%									
almost none valuable	0	0%				1					

15661-01 **Efrat, Alon** Comparison Group(s) Results C SC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 433-001 LEC Fall and Spring **COMPUTER GRAPHICS** Comp Group 1: Comp Group 2: Enrolled: 17 Responded: 8 (47%) 5 or more enrolled small class, 5-19 enrolled **Course-Section Results** Sections: 433 Sections: 143 Resps: 1,309 Resps: 19,499 Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median Count 3.1 0.99 (2.39 - 3.86)4.1 (4.07 - 4.17) 4.3 (4.22 - 4.38)1. Overall rating of teaching effectiveness 4.4 almost always effective usually effective 50% sometimes effective 1 13% rarely effective 3 38% almost never effective 0% 1.16 (1.89 - 3.61) (3.75 - 3.86)4.0 (3.90 - 4.10)2. Overall instructor comparison 2.8 3.8 3.9 4.1 one of the most effective 0% more effective than most 3 38% about as effective as most 1 13% less effective than most 3 38% 13% one of the least effective 1 2.9 1.36 (1.87 - 3.88) 3.9 3. Overall rating of the course 3.8 (3.75 - 3.85)(3.83 - 3.99)4.0 0 0% one of the best better than average 4 50% about average 1 13% worse than average 1 13% 2 25% one of the worst 3.5 1.41 (2.45 - 4.55) 3.9 (3.88 - 3.97)4.0 (3.88 - 4.04)4. Amount learned 4.0 38% much more than usual 3 more than usual 1 13% about as much as usual 1 13% less than usual 3 38% much less than usual 5. Usefulness of the in-class activities 3.6 1.51 (2.51 - 4.74) 4.0 (3.92 - 4.01)4.0 4.2 (4.07 - 4.24)4.3 almost always useful 50% usually useful 0 0% sometimes useful 13% rarely useful 3 38% almost never useful 6. Usefulness of the outside assignments 4.0 1.07 (3.21 - 4.79) 4.2 (4.16 - 4.24)4.2 (4.14 - 4.30)4.2 almost always useful 50% usually useful 0% sometimes useful 50% rarely useful 0 0% almost never useful 0 7. Usefulness of course materials (new question) 3.5 1.31 (2.53 - 4.47) 3.8 (3.76 - 3.86)3.9 (3.84 - 4.04)4.0 almost always useful 25% usually useful 25% sometimes useful 3 38% rarely useful 0 0% almost never useful 1 8. Students treated with respect 0.89 (3.59 - 4.91) 4.6 (4.61 - 4.66)(4.71 - 4.78)4.8 50% strongly agree 25% agree 2 25% uncertain 0% 0% disagree 0 strongly disagree 9. Difficulty level of the course (new order) 0.83 (3.51 - 4.74) (3.76 - 3.86)3.8 (3.66 - 3.86)3.8 much more than usual 3 more than usual 38% 3 2 about the same as usual 25% less than usual 0 0% 0% much less than usual 0 10. Value of time spent on course 0.93 (2.81 - 4.19) 4.1 (4.06 - 4.14) 4.2 (4.14 - 4.30)4.3 almost all valuable 1 13% more than half valuable 3 38% about half valuable 3 38% less than half valuable 1 13% almost none valuable 0%

Efrat, Alon							<u>Com</u>	parison Gro	up(s) Resu	<u>its</u>	
C SC 533-001 LEC							cture, Seminar II and Spring	rs, Colloquia	Graduate		
COMPUTER GRAPHICS								0.0011.00	Γ		
Enrolled: 17 Responde	d: 12 (70°	%)				Comp Grou		C_SCALGO	Comp Grou	p 2:	
	(		ection Res	ults		5 or more		0.700			
						Sections:		esps: 3,766			
	Count	Pct Resp	Mean	St.Dev	(95% CI)	Mean	(95% CI)	Median	Mean	(95% CI)	Median
<ol> <li>Overall rating of teaching</li> </ol>	effective		3.3	0.97	(2.68 - 3.82)	4.3	(4.26 - 4.37)	4.4			
almost always effective	0	0%									
usually effective	6 4	50% 33%									
sometimes effective rarely effective	1	8%									
almost never effective	1	8%									
2. Overell instructor commo	wia a 10		0.4	1.16	(1.72, 2.10)	4.0	(2.80, 4.04)	4.0			
2. Overall instructor compa one of the most effective	rison 0	0%	2.4	1.10	(1.73 - 3.10)	4.0	(3.89 - 4.04)	4.0			
more effective than most	3	25%									
about as effective as most	2	17%									
less effective than most	4	33%									
one of the least effective	3	25%									
3. Overall rating of the cours	se		3.1	0.90	(2.55 - 3.62)	4.1	(4.01 - 4.12)	4.1			
one of the best	0	0%			/		. –,				
better than average	4	33%									
about average	6	50%									
worse than average	1	8% 8%									
one of the worst	1	<b>5</b> 70									
4. Amount learned			3.1	0.70	(2.66 - 3.53)	4.0	(3.92 - 4.03)	4.0			
much more than usual	0	0%									
more than usual	3	27%									
about as much as usual	6	55%									
less than usual much less than usual	2 0	18% 0%									
maon rose than acad	· ·										
5. Usefulness of the in-class		3	3.8	1.11	(3.17 - 4.49)	4.2	(4.18 - 4.29)	4.3			
almost always useful	3	25%									
usually useful	6	50%									
sometimes useful rarely useful	2 0	17% 0%									
almost never useful	1	8%									
C. Harfylland of the contribut			2.0	4.24	(2.4.44.60)	4.0	(4.04. 4.05)	4.4			
6. Usefulness of the outside	_		3.9	1.31	(3.14 - 4.69)	4.3	(4.24 - 4.35)	4.4			
almost always useful usually useful	5 4	42% 33%									
sometimes useful	1	8%									
rarely useful	1	8%									
almost never useful	1	8%									
7. Usefulness of course mat	erials (ne	w auestion)	3.4	1.03	(2.73 - 4.00)	4.3	(4.21 - 4.31)	4.3			
almost always useful	1	9%	0.1	1.00	(2.70 1.00)	1.0	(1.21 1.01)	7.0			
usually useful	4	36%									
sometimes useful	5	45%									
rarely useful	0	0% 9%									
almost never useful	1	9%									
8. Students treated with res	pect		4.2	1.27	(3.42 - 4.92)	4.7	(4.62 - 4.69)	4.7			
strongly agree	7	58%									
agree	2	17%									
uncertain	2	17%									
disagree strongly disagree	0 1	0% 8%									
Strongly disagree	1										
<ol><li>Difficulty level of the cour</li></ol>	se (new	order)	3.6	0.79	(3.11 - 4.05)	3.7	(3.63 - 3.76)	3.7			
much more than usual	2	17%									
more than usual	3	25%									
about the same as usual less than usual	7 0	58% 0%									
much less than usual	0	0%									
			_				,				
O. Value of time spent on co			3.5	1.17	(2.81 - 4.19)	4.3	(4.21 - 4.31)	4.3			
almost all valuable	2	17%									
more than half valuable about half valuable	5 3	42% 25%									
less than half valuable	3 1	25% 8%									
almost none valuable	1	8%				1			I		

**Efrat, Alon** Comparison Group(s) Results C SC Lecture, Seminars, Colloquia Graduate CSC 545-001 LEC Fall and Spring **DSGN+ANLS OF ALGORITHMS** Comp Group 1: Comp Group 2: Enrolled: 23 Responded: 16 (69%) 5 or more enrolled **Course-Section Results** Sections: 188 Resps: 3,766 Count Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median 1. Overall rating of teaching effectiveness 3.6 1.15 (2.98 - 4.15) 4.3 (4.26 - 4.37) almost always effective usually effective 56% sometimes effective 3 19% rarely effective 0 0% almost never effective 13% 1.03 (2.48 - 3.52) 4.0 (3.89 - 4.04)2. Overall instructor comparison 3.0 4.0 one of the most effective 6% more effective than most 19% about as effective as most 9 56% less effective than most 6% 13% one of the least effective 3.4 1.15 (2.79 - 3.96) 4.1 (4.01 - 4.12)3. Overall rating of the course 2 13% one of the best better than average 6 38% about average 6 38% worse than average 0 13% 2 one of the worst 3.7 1.01 (3.17 - 4.20) 4.0 (3.92 - 4.03)4. Amount learned 19% much more than usual 3 more than usual 44% about as much as usual 5 31% less than usual much less than usual 5. Usefulness of the in-class activities 3.6 1.30 (2.92 - 4.28) 4.2 (4.18 - 4.29)4.3 almost always useful 27% usually useful 33% sometimes useful 27% 0 rarely useful 0% almost never useful 6. Usefulness of the outside assignments 4.1 0.93 (3.59 - 4.53) 4.3 (4.24 - 4.35)almost always useful 38% usually useful 38% sometimes useful 3 19% rarely useful 1 6% almost never useful 0 7. Usefulness of course materials (new question) 4.3 0.68 (3.90 - 4.60) 4.3 (4.21 - 4.31) 4.3 almost always useful 38% usually useful 50% 13% sometimes useful 2 0 rarely useful 0% almost never useful 0 8. Students treated with respect 0.63 (4.18 - 4.82) (4.62 - 4.69)56% strongly agree 6 38% agree uncertain 6% 1 0% 0% disagree 0 strongly disagree 9. Difficulty level of the course (new order) 0.37 (3.82 - 4.18) (3.63 - 3.76)much more than usual more than usual 14 88% about the same as usual 1 6% less than usual 0 0% much less than usual 0% 10. Value of time spent on course 0.95 (3.83 - 4.79) 4.3 (4.21 - 4.31)almost all valuable 9 56% more than half valuable 25% about half valuable 2 13% less than half valuable 1 6% almost none valuable 0%

**Efrat, Alon** Comparison Group(s) Results C SC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 433-001 LEC Fall and Spring **COMPUTER GRAPHICS** Comp Group 1: Comp Group 2: Enrolled: 21 Responded: 8 (38%) 5 or more enrolled medium class, 20-39 enrolled **Course-Section Results** Sections: 433 Sections: 54 Resps: 19,499 Resps: 1,687 Count Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median 3.0 0.76 (2.44 - 3.56) 4.1 (4.07 - 4.17) 4.0 (3.86 - 4.16)4.2 1. Overall rating of teaching effectiveness almost always effective usually effective 25% sometimes effective 4 50% rarely effective 2 25% almost never effective 0% 1.04 (1.98 - 3.52) (3.75 - 3.86)3.7 2. Overall instructor comparison 2.8 3.8 3.9 (3.49 - 3.85)3.8 one of the most effective 0% more effective than most 25% about as effective as most 3 38% less effective than most 2 25% 13% one of the least effective 1 0.76 (2.44 - 3.56) 3.8 3. Overall rating of the course 3.0 3.8 (3.75 - 3.85)(3.59 - 3.91)3.9 0 0% one of the best better than average 2 25% about average 4 50% worse than average 2 25% 0 one of the worst 3.1 1.13 (2.29 - 3.96) 3.9 (3.88 - 3.97)3.8 (3.69 - 3.97)4. Amount learned 3.9 13% much more than usual 1 more than usual 2 25% about as much as usual 2 25% less than usual 3 38% much less than usual 5. Usefulness of the in-class activities 3.0 1.31 (2.03 - 3.97) 4.0 (3.92 - 4.01)4.0 3.9 (3.76 - 4.04)4.0 almost always useful 25% usually useful 0 0% sometimes useful 25% 4 rarely useful 50% almost never useful 6. Usefulness of the outside assignments 3.8 0.89 (3.09 - 4.41) 4.2 (4.16 - 4.24)4.2 (4.05 - 4.31)4.3 almost always useful 25% usually useful 25% sometimes useful 50% rarely useful 0 0% almost never useful 0 7. Usefulness of course materials (new question) 3.7 1.11 (2.82 - 4.60) 3.8 (3.76 - 3.86)3.9 (3.71 - 4.00)3.9 almost always useful 25% usually useful 25% sometimes useful 2 25% rarely useful 13% almost never useful 0 8. Students treated with respect 0.53 (4.10 - 4.90) 4.6 (4.61 - 4.66)4.6 (4.55 - 4.71)strongly agree 50% 50% agree 0 0% uncertain 0% 0% disagree 0 strongly disagree 9. Difficulty level of the course (new order) 0.76 (3.94 - 5.00) (3.76 - 3.86)(3.56 - 3.83)3.7 much more than usual more than usual 25% 2 about the same as usual 1 13% less than usual 0 0% 0% much less than usual 0 10. Value of time spent on course 1.25 (1.95 - 3.80) 4.1 (4.06 - 4.14)4.0 (3.88 - 4.14)4.1 almost all valuable 1 13% more than half valuable 1 13% about half valuable 3 38% less than half valuable 2 25% almost none valuable 13%

Efrat, Alon							<u>Com</u> r	oarison Gro	<u>up(s) Resul</u>	<u>lts</u>	
C SC 533-001 LEC							cture, Seminar	s, Colloquia	Graduate		
COMPUTER GRAPHICS								0.0041.00			
Enrolled: 14 Responde	d: 12 (85 <sup>o</sup>	%)				Comp Grou		C_SCALGO	Comp Grou	p 2:	
	(		ection Res	ults		5 or more		0.700			
						Sections:		sps: 3,766		(2-1/ 20)	
	Count	Pct Resp	Mean	St.Dev	(95% CI)	Mean	(95% CI)	Median	Mean	(95% CI)	Median
1. Overall rating of teaching			3.8	0.58	(3.49 - 4.17)	4.3	(4.26 - 4.37)	4.4			
almost always effective	1	8%									
usually effective sometimes effective	8 3	67% 25%									
rarely effective	0	0%									
almost never effective	0	0%									
2 Overall instructor compa	rioon		3.3	0.60	(2.00 2.62)	4.0	(2.80, 4.04)	4.0			
<ol><li>Overall instructor compart one of the most effective</li></ol>	0	00/	3.3	0.62	(2.88 - 3.62)	4.0	(3.89 - 4.04)	4.0			
more effective than most	4	0% 33%									
about as effective as most	7	58%									
less effective than most	1	8%									
one of the least effective	0	0%									
3. Overall rating of the cours	se		3.5	0.82	(3.04 - 4.05)	4.1	(4.01 - 4.12)	4.1			
one of the best	2	18%			,,		( = = ===)				
better than average	2	18%									
about average	7	64%									
worse than average	0	0% 0%									
one of the worst	0	0%									
4. Amount learned			3.5	1.00	(2.91 - 4.09)	4.0	(3.92 - 4.03)	4.0			
much more than usual	3	25%									
more than usual	1	8%									
about as much as usual	7	58%									
less than usual	1 0	8% 0%									
much less than usual	U	0,0									
5. Usefulness of the in-class	activities	6	4.1	0.67	(3.69 - 4.48)	4.2	(4.18 - 4.29)	4.3			
almost always useful	3	25%									
usually useful	7	58%									
sometimes useful rarely useful	2 0	17% 0%									
almost never useful	0	0%									
6. Usefulness of the outside	_		4.1	0.90	(3.55 - 4.62)	4.3	(4.24 - 4.35)	4.4			
almost always useful	5	42%									
usually useful sometimes useful	3 4	25% 33%									
rarely useful	0	0%									
almost never useful	0	0%									
7 11			2.2	4.07	(0.70, 0.07)	4.2	(4.04 4.24)	4.2			
7. Usefulness of course mat			3.3	1.07	(2.70 - 3.97)	4.3	(4.21 - 4.31)	4.3			
almost always useful usually useful	2 3	17% 25%									
sometimes useful	4	33%									
rarely useful	3	25%									
almost never useful	0	0%									
8. Students treated with res	nect		4.7	0.49	(4.38 - 4.96)	4.7	(4.62 - 4.69)	4.7			
strongly agree	8	67%	-1.1	5.10	( 1.00)		(	•••			
agree	4	33%									
uncertain	0	0%									
disagree	0	0% 0%									
strongly disagree	0	070									
9. Difficulty level of the cour	se (new	order)	4.1	0.67	(3.69 - 4.48)	3.7	(3.63 - 3.76)	3.7			
much more than usual	. 3	25%									
more than usual	7	58%									
about the same as usual	2	17%									
less than usual much less than usual	0 0	0% 0%									
O. Value of time spent on co	urse		4.0	0.95	(3.44 - 4.56)	4.3	(4.21 - 4.31)	4.3			
almost all valuable	4	33%									
more than half valuable	5	42%									
about half valuable less than half valuable	2 1	17% 8%									
	_	O /0				1					

Efrat, Alon							<u>Com</u>	<u>parison Gro</u>	up(s) Results	
C SC 625-001 LEC						1	Lecture, Semina	rs, Colloquia	Graduate	
SENSOR+AD HOC NETWK OI	PT						Fall and Spring		T	
Enrolled: 9 Responded	I· Q (100%	)				Comp Gro	oup <b>1</b> :	C_SCALGO	Comp Group 2:	
Emoned. 6 Responded	1. 0 (10070	•	ection Res	ults		5 or more Sections:	e enrolled	2 766		
	Count	Pct Resp	Mean	St.Dev	(95% CI)	Mean	(95% CI)	esps: 3,766	Mean (95% C	I) Median
1. Overall rating of teaching			4.0	1.00	(3.31 - 4.69)	4.3	(4.26 - 4.37)			.,
almost always effective	3	33%		2.00	(0.0100)		(1.20 1.01)	•••		
usually effective	4	44%								
sometimes effective	1	11%								
rarely effective	1	11%								
almost never effective	0	0%								
2. Overall instructor compa	rison		3.3	1.00	(2.64 - 4.03)	4.0	(3.89 - 4.04)	4.0		
one of the most effective	2	22%	0.0	2.00	(2.0 :)		(0.00)			
more effective than most	0	0%								
about as effective as most	6	67%								
less effective than most	1	11%								
one of the least effective	0	0%								
2. 0			2.0	4.04	(0.05, 4.00)	1.4	(4.04 4.40)			
<ol><li>Overall rating of the cour</li></ol>			3.6	1.01	(2.85 - 4.26)	4.1	(4.01 - 4.12)	4.1		
one of the best	2	22%								
better than average	2	22%								
about average	4	44%								
worse than average one of the worst	1 0	11% 0%								
ONG OF THE WOLST	U									
4. Amount learned			3.6	1.13	(2.77 - 4.34)	4.0	(3.92 - 4.03)	4.0		
much more than usual	2	22%								
more than usual	3	33%								
about as much as usual	2	22%								
less than usual	2	22%								
much less than usual	0	0%								
5. Usefulness of the in-class	e activities		4.0	1 12	(3.23 - 4.77)	4.2	(4.18 - 4.29)	4.3		
	4		4.0	1.12	(3.23 4.11)	7.2	(4.10 4.23)	4.5		
almost always useful		44%								
usually useful	2	22%								
sometimes useful rarely useful	2 1	22% 11%								
almost never useful	0	0%								
6. Usefulness of the outside	O	ents	3.6	1.42	(2.57 - 4.54)	4.3	(4.24 - 4.35)	4.4		
almost always useful	3	33%								
usually useful	2	22%								
sometimes useful	2	22%								
rarely useful	1	11%								
almost never useful	1	11%								
7. Usefulness of course ma	terials (ne	w auestion)	4.0	1.32	(3.08 - 4.92)	4.3	(4.21 - 4.31)	4.3		
almost always useful	4	44%			,		, ,			
usually useful	3	33%								
sometimes useful	1	11%								
rarely useful	0	0%								
almost never useful	1	11%								
0.01.1.1.1.1.11				4.55	(0.04 = 05)		/4.65	4 -		
8. Students treated with res			4.3	1.00	(3.64 - 5.00)	4.7	(4.62 - 4.69)	4.7		
strongly agree	5	56%								
agree	3	33%								
uncertain	0	0%								
disagree	1 0	11% 0%								
strongly disagree	U	2.0								
9. Difficulty level of the cou	rse (new o	order)	3.2	0.83	(2.64 - 3.80)	3.7	(3.63 - 3.76)	3.7		
much more than usual	o	0%								
more than usual	4	44%								
about the same as usual	3	33%								
less than usual	2	22%								
much less than usual	0	0%								
O. Value of time spent on co	ourse		4.1	1.17	(3.30 - 4.92)	4.3	(4.21 - 4.31)	4.3		
almost all valuable	5	56%			,					
more than half valuable	1	11%								
about half valuable	2	22%								
						1			I	
less than half valuable	1	11% 0%								

**Efrat, Alon** Comparison Group(s) Results C SC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 437-001 LEC Fall and Spring **GEOMETRIC ALGORITHMS** Comp Group 1: Comp Group 2: Enrolled: 7 Responded: 6 (85%) 5 or more enrolled small class, 5-19 enrolled **Course-Section Results** Sections: 433 Sections: 143 Resps: 1,309 Resps: 19,499 Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median Count 3.5 0.84 (2.77 - 4.23)4.1 (4.07 - 4.17) 4.3 (4.22 - 4.38)4.4 1. Overall rating of teaching effectiveness almost always effective usually effective 67% sometimes effective 1 17% rarely effective 1 17% almost never effective 0% 1.47 (1.88 - 4.46) (3.75 - 3.86)4.0 (3.90 - 4.10)2. Overall instructor comparison 3.2 3.8 3.9 4.1 one of the most effective 17% more effective than most 33% about as effective as most 1 17% less effective than most one of the least effective 1 1.21 (2.27 - 4.39) 3.9 3. Overall rating of the course 3.3 3.8 (3.75 - 3.85)(3.83 - 3.99)4.0 17% one of the best better than average 2 33% about average 1 17% worse than average 2 33% 0 one of the worst 3.6 0.55 (3.06 - 4.14) 3.9 (3.88 - 3.97)4.0 (3.88 - 4.04)4. Amount learned 4.0 0% much more than usual 0 more than usual 3 60% about as much as usual 2 40% less than usual 0 0% 0% much less than usual 5. Usefulness of the in-class activities 3.7 0.52 (3.21 - 4.12) 4.0 (3.92 - 4.01)4.0 4.2 (4.07 - 4.24)4.3 almost always useful 0 0% usually useful 67% sometimes useful 33% 0 rarely useful 0% 0% almost never useful 6. Usefulness of the outside assignments 4.5 0.55 (4.02 - 4.98) 4.2 (4.16 - 4.24)4.2 (4.14 - 4.30)4.2 almost always useful 50% 50% usually useful sometimes useful 0 0% rarely useful 0 0% almost never useful 0 7. Usefulness of course materials (new question) 4.0 1.26 (2.89 - 5.00) 3.8 (3.76 - 3.86)3.9 (3.84 - 4.04)4.0 almost always useful 3 50% usually useful 17% sometimes useful 1 17% rarely useful 17% almost never useful 0 8. Students treated with respect 0.75 (3.51 - 4.83) 4.6 (4.61 - 4.66)4.7 (4.71 - 4.78)4.8 33% strongly agree 3 50% agree 17% uncertain 1 0% 0% disagree 0 strongly disagree 9. Difficulty level of the course (new order) 0.55 (4.02 - 4.98) (3.76 - 3.86)3.8 (3.66 - 3.86)3.8 much more than usual 3 more than usual 50% 3 about the same as usual 0 0% less than usual 0 0% 0% much less than usual 0 10. Value of time spent on course 0.75 (3.51 - 4.83) 4.1 (4.06 - 4.14) 4.2 (4.14 - 4.30)4.3 almost all valuable 2 33% more than half valuable 3 50% about half valuable 1 17% less than half valuable 0 0% almost none valuable 0%

Efrat, Alon							<u>Com</u>	<u>parison Gro</u>	up(s) Results		
C SC 537-001 LEC							ecture, Seminar	rs, Colloquia	Graduate		
GEOMETRIC ALGORITHMS						F	all and Spring		Г		
Enrolled: 10 Responde	ed: 6 (60%	`				Comp Gro	oup <b>1</b> :	C_SCALGO	Comp Group 2:		
Lillolled. 10 Responde	sa. 0 (00 /0	•	ection Res	ulte		5 or more					
					(050) 00	Sections:		esps: 3,766		050/ 00	
1 0	Count	Pct Resp	Mean	St.Dev	(95% CI)	Mean	(95% CI)	Median	Mean (	95% CI)	Median
Overall rating of teaching			4.5	0.55	(4.02 - 4.98)	4.3	(4.26 - 4.37)	4.4			
almost always effective usually effective	3 3	50% 50%									
sometimes effective	0	0%									
rarely effective	0	0%									
almost never effective	0	0%									
2 Overall instructor compa	ricon		4.3	0.82	(2.62 5.00)	4.0	(2.80, 4.04)	4.0			
Overall instructor compa			4.3	0.82	(3.62 - 5.00)	4.0	(3.89 - 4.04)	4.0			
one of the most effective	3	50%									
more effective than most	2	33%									
about as effective as most	1	17%									
less effective than most one of the least effective	0 0	0% 0%									
<ol><li>Overall rating of the cour</li></ol>			4.2	0.98	(3.30 - 5.00)	4.1	(4.01 - 4.12)	4.1			
one of the best	3	50%									
better than average	1	17%									
about average	2	33%									
worse than average one of the worst	0 0	0% 0%									
one of the worst	U										
4. Amount learned			4.3	0.82	(3.62 - 5.00)	4.0	(3.92 - 4.03)	4.0			
much more than usual	3	50%									
more than usual	2	33%									
about as much as usual	1	17%									
less than usual	0	0%									
much less than usual	0	0%									
E. Haafiilaaaa af tha in alaa			4.0	0.75	(2.54 4.92)	4.2	(4.18, 4.20)	4.2			
5. Usefulness of the in-class			4.2	0.75	(3.51 - 4.83)	4.2	(4.18 - 4.29)	4.3			
almost always useful	2	33%									
usually useful	3	50%									
sometimes useful	1	17%									
rarely useful almost never useful	0 0	0% 0%									
aimost never userur	U										
6. Usefulness of the outside	e assignme	ents	4.7	0.52	(4.21 - 5.00)	4.3	(4.24 - 4.35)	4.4			
almost always useful	4	67%									
usually useful	2	33%									
sometimes useful	0	0%									
rarely useful	0	0%									
almost never useful	0	0%									
7. Usefulness of course ma	tariale (na	w auestion)	4.8	0.41	(4.48 - 5.00)	4.3	(4.21 - 4.31)	4.3			
			4.0	0.41	(4.40 3.00)	7.5	(4.21 4.51)	4.5			
almost always useful	5	83%									
usually useful	1	17%									
sometimes useful	0 0	0% 0%									
rarely useful almost never useful	0	0% 0%									
	-										
<ol><li>Students treated with res</li></ol>			5.0	0.00	(5.00 - 5.00)	4.7	(4.62 - 4.69)	4.7			
strongly agree	6	100%									
agree	0	0%									
uncertain	0	0%									
disagree	0	0% 0%									
strongly disagree	0	0%									
9. Difficulty level of the cou	rse (new o	order)	4.2	0.41	(3.81 - 4.52)	3.7	(3.63 - 3.76)	3.7			
much more than usual	1	17%					/				
more than usual	5	83%									
about the same as usual	0	0%									
less than usual	0	0%									
much less than usual	0	0%									
O Value of time coest on a	nureo		4.6	0 55	(4.06 - 5.00)	4.3	(4.21 - 4.31)	4.3			
<ol> <li>Value of time spent on co almost all valuable</li> </ol>	ourse 3	60%	4.0	0.00	(4.00 - 3.00)	4.3	(4.∠⊥ - 4.31)	4.3			
more than half valuable	3 2	60% 40%									
about half valuable	0	40% 0%									
less than half valuable	0	0%									
almost none valuable	0	0%									
	-										

**Efrat, Alon** Comparison Group(s) Results C SC Lecture, Seminars, Colloquia Graduate CSC 625-001 LEC Fall and Spring **SENSOR+AD HOC NETWK OPT** Comp Group 1: Comp Group 2: Enrolled: 10 Responded: 10 (100%) 5 or more enrolled **Course-Section Results** Sections: 188 Resps: 3,766 Count Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median 1. Overall rating of teaching effectiveness 4.3 0.82 (3.76 - 4.84) 4.3 (4.26 - 4.37) 50% almost always effective usually effective 30% sometimes effective 2 20% rarely effective 0 0% 0% almost never effective 0.92 (3.20 - 4.40) 4.0 (3.89 - 4.04)2. Overall instructor comparison 3.8 4.0 one of the most effective 30% more effective than most 20% about as effective as most 5 50% less effective than most 0% 0% one of the least effective 0 0.53 (3.16 - 3.84) 4.1 (4.01 - 4.12)3. Overall rating of the course 3.5 0 0% one of the best better than average 5 50% about average 5 50% worse than average 0 0% 0% 0 one of the worst 3.5 0.71 (3.04 - 3.96) 4.0 (3.92 - 4.03)4. Amount learned 10% much more than usual 1 more than usual 3 30% about as much as usual 6 60% less than usual 0% much less than usual 5. Usefulness of the in-class activities 4.0 0.94 (3.38 - 4.62) 4.2 (4.18 - 4.29)4.3 almost always useful 40% usually useful 20% sometimes useful 40% 0 rarely useful 0% 0% almost never useful 6. Usefulness of the outside assignments 3.5 1.07 (2.71 - 4.29) 4.3 (4.24 - 4.35)almost always useful 20% usually useful 10% sometimes useful 40% rarely useful 1 10% almost never useful 0 7. Usefulness of course materials (new question) 4.2 0.92 (3.60 - 4.80) 4.3 (4.21 - 4.31) 4.3 almost always useful 50% usually useful 20% 30% sometimes useful 3 rarely useful 0 0% almost never useful 0 8. Students treated with respect 0.52 (4.26 - 4.94) (4.62 - 4.69)60% strongly agree 40% agree uncertain 0 0% 0% 0% disagree 0 strongly disagree 9. Difficulty level of the course (new order) 0.57 (2.73 - 3.47) (3.63 - 3.76)much more than usual more than usual 20% 2 about the same as usual 70% less than usual 10% much less than usual 0% 10. Value of time spent on course 0.95 (3.68 - 4.92) 4.3 (4.21 - 4.31)almost all valuable 6 60% more than half valuable 10% 1 about half valuable 3 30% less than half valuable 0 0% almost none valuable 0%

11257-01 **Efrat, Alon** Comparison Group(s) Results C SC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 445-001 LEC Fall and Spring **ALGORITHMS** Comp Group 1: Comp Group 2: Enrolled: 49 Responded: 24 (48%) 5 or more enrolled large class, 40-59 enrolled **Course-Section Results** Sections: 433 Sections: 81 Resps: 4,001 Resps: 19,499 Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median Count 3.5 0.93 (3.08 - 3.84)4.1 (4.07 - 4.17) 4.1 (4.02 - 4.20)4.2 1. Overall rating of teaching effectiveness almost always effective usually effective 11 46% sometimes effective 8 33% rarely effective 2 8% almost never effective 4% 0.99 (2.72 - 3.53) (3.75 - 3.86)3.8 2. Overall instructor comparison 3.1 3.8 3.9 (3.69 - 3.93)3.9 one of the most effective 8% more effective than most 5 21% about as effective as most 13 54% less effective than most 2 8% one of the least effective 2 0.95 (2.90 - 3.68) 3.8 3. Overall rating of the course 3.3 3.8 (3.75 - 3.85)(3.69 - 3.90)3.9 2 8% one of the best better than average 8 33% about average 10 42% worse than average 3 13% one of the worst 1 3.5 0.83 (3.16 - 3.84) 3.9 (3.88 - 3.97)4.0 (3.87 - 4.04)4. Amount learned 4.0 much more than usual 2 8% more than usual 11 46% about as much as usual 8 33% less than usual 3 13% much less than usual 5. Usefulness of the in-class activities 3.6 1.12 (3.14 - 4.08) 4.0 (3.92 - 4.01)4.0 3.9 (3.85 - 4.03)4.0 almost always useful 22% usually useful 9 39% sometimes useful 22% rarely useful 3 13% almost never useful 6. Usefulness of the outside assignments 4.0 1.08 (3.52 - 4.40) 4.2 (4.16 - 4.24)4.2 (4.08 - 4.25)4.2 almost always useful 10 42% usually useful 25% sometimes useful 5 21% rarely useful 3 13% almost never useful 0 7. Usefulness of course materials (new question) 3.4 1.18 (2.94 - 3.90) 3.8 (3.76 - 3.86)3.8 (3.66 - 3.86)3.8 almost always useful 17% usually useful 38% sometimes useful 6 25% rarely useful 3 13% almost never useful 2 8. Students treated with respect 0.83 (3.87 - 4.55) 4.6 (4.61 - 4.66)4.6 (4.55 - 4.66)4.6 10 42% strongly agree 10 42% agree 13% uncertain 3 disagree 1 strongly disagree 0 9. Difficulty level of the course (new order) 0.85 (3.53 - 4.22) (3.76 - 3.86)3.9 (3.78 - 3.99)3.9 much more than usual 6 more than usual 42% 10 about the same as usual 7 29% less than usual 0% much less than usual 10. Value of time spent on course 1.01 (3.45 - 4.29) 4.1 (4.06 - 4.14) 4.1 (3.97 - 4.14)4.0 almost all valuable 30% more than half valuable 9 39% about half valuable 4 17% less than half valuable 3 13% almost none valuable 0%

**Efrat, Alon** Comparison Group(s) Results C SC Lecture, Seminars, Colloquia Graduate CSC 545-001 LEC Fall and Spring **DSGN ANLS OF ALGORITHMS** Comp Group 1: Comp Group 2: Enrolled: 36 Responded: 36 (100%) 5 or more enrolled **Course-Section Results** Sections: 188 Resps: 3,766 Count Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median 1. Overall rating of teaching effectiveness 4.3 0.70 (4.02 - 4.54) 4.3 (4.26 - 4.37) almost always effective usually effective 13 45% sometimes effective 4 14% rarely effective 0 0% 0% almost never effective 1.02 (3.52 - 4.32) 4.0 (3.89 - 4.04)2. Overall instructor comparison 3.9 4.0 one of the most effective 38% more effective than most 6 23% about as effective as most 8 31% less effective than most 2 8% 0% one of the least effective 0 0.86 (3.79 - 4.42) 4.1 (4.01 - 4.12)3. Overall rating of the course 4.1 38% one of the best 11 better than average 11 38% about average 6 21% worse than average 1 0% 0 one of the worst 4.2 0.85 (3.86 - 4.49) 4.0 (3.92 - 4.03)4. Amount learned 38% much more than usual 11 more than usual 14 48% about as much as usual 2 7% less than usual 0% much less than usual 5. Usefulness of the in-class activities 4.3 0.76 (4.00 - 4.57) 4.2 (4.18 - 4.29)4.3 almost always useful 1.3 46% usually useful 10 36% sometimes useful 5 18% 0 rarely useful 0% 0% almost never useful 6. Usefulness of the outside assignments 4.5 0.69 (4.20 - 4.73) 4.3 (4.24 - 4.35)almost always useful 16 32% usually useful sometimes useful 3 11% rarely useful 0 0% almost never useful 0 7. Usefulness of course materials (new question) 0.88 (4.10 - 4.76) 4.3 (4.21 - 4.31) 4.3 almost always useful 16 57% usually useful 36% sometimes useful 1 4% rarely useful 0 0% almost never useful 1 8. Students treated with respect 0.60 (4.49 - 4.94) (4.62 - 4.69)79% strongly agree 14% agree uncertain 2 7% 0% 0% disagree 0 strongly disagree 9. Difficulty level of the course (new order) 0.66 (3.82 - 4.32) (3.63 - 3.76)much more than usual more than usual 57% 16 about the same as usual 5 18% less than usual 0 0% much less than usual 0% 10. Value of time spent on course 0.69 (4.17 - 4.69) 4.3 (4.21 - 4.31)almost all valuable 15 54% more than half valuable 10 36% about half valuable 3 11% less than half valuable 0 0% almost none valuable 0%

											11889
Efrat, Alon							<u>Co</u>	<u>mparison Gro</u>	oup(s) Resul	<u>ts</u>	
C SC 645-001 LEC						c sc	Lecture, Semin		Graduate		
ADV TOPIC ALGORITHM AN	NL .					Comp G		C_SCALGO	Comp Grou	n 2:	
Enrolled: 18 Respond	ded: 14 (77%	%)					re enrolled	O_SCALGO	Comp Grou	p <b>∠</b> :	
		Course-S	ection Res	<u>ults</u>		Section		Resps: 3,766			
	Count	Pct Resp	Mean	St.Dev	(95% CI)	Mear	(95% CI)	Median	Mean	(95% CI)	Median
1. Overall rating of teachir	ng effectiver	ness	4.0	0.82	(3.54 - 4.46)	4.3	(4.26 - 4.3	7) 4.4			
almost always effective	3	23%									
usually effective	8	62%									
sometimes effective	1 1	8%									
rarely effective almost never effective	0	8% 0%									
2. Overall instructor comp	narison		4.1	0.76	(3.65 - 4.51)	4.0	(3.89 - 4.0	4) 4.0			
one of the most effective	3	23%	4.1	0.70	(3.03 - 4.31)	4.0	(3.09 - 4.0	4) 4.0			
more effective than most	9	23% 69%									
about as effective as most	0	0%									
less effective than most	1	8%									
one of the least effective	0	0%									
3. Overall rating of the cou	ırse		3.8	0.58	(3.47 - 4.10)	4.1	(4.01 - 4.1	2) 4.1			
one of the best	1	7%			/	1	,	-			
better than average	9	64%									
about average	4	29%									
worse than average	0	0%									
one of the worst	0	0%									
4. Amount learned			3.9	0.62	(3.59 - 4.26)	4.0	(3.92 - 4.0	3) 4.0			
much more than usual	2	14%									
more than usual	9	64%									
about as much as usual	3	21%									
less than usual	0	0%									
much less than usual	0	0%									
5. Usefulness of the in-cla	ss activities	i	4.0	0.68	(3.63 - 4.37)	4.2	(4.18 - 4.2	9) 4.3			
almost always useful	3	21%									
usually useful	8	57%									
sometimes useful	3	21%									
rarely useful	0	0%									
almost never useful	0	0%									
6. Usefulness of the outsi	de assignme	ents	3.9	0.54	(3.57 - 4.24)	4.3	(4.24 - 4.3	5) 4.4			
almost always useful	1	8%									
usually useful	8	62%									
sometimes useful	2	15%									
rarely useful	0	0%									
almost never useful	0	0%									
7. Usefulness of course m	aterials (ne	w question)	3.8	0.80	(3.39 - 4.30)	4.3	(4.21 - 4.3	1) 4.3			
almost always useful	3	21%									
usually useful	5	36%									
sometimes useful	5	36%									
rarely useful	0	0% 0%									
almost never useful	0	J/0									
8. Students treated with re	espect		4.6	0.50	(4.37 - 4.91)	4.7	(4.62 - 4.6	9) 4.7			
strongly agree	9	64%									
agree	5	36%									
uncertain	0	0%									
disagree strongly disagree	0	0% 0%									
strongly disagree	U	2.0									
9. Difficulty level of the co	urse (new o	order)	3.2	0.58	(2.90 - 3.53)	3.7	(3.63 - 3.7	6) 3.7			
much more than usual	0	0%									
more than usual	4	29%									
about the same as usual	9	64%									
less than usual much less than usual	1 0	7% 0%									
						1					
O. Value of time spent on			4.1	0.66	(3.78 - 4.50)	4.3	(4.21 - 4.3	1) 4.3			
almost all valuable	4	29%									
more than half valuable	8	57% 14%									
about half valuable less than half valuable	2 0	14% 0%									
almost none valuable	0	0%									
	-					1			1		

11363-01 **Efrat, Alon** Comparison Group(s) Results C SC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 445-001 LEC Fall and Spring **ALGORITHMS** Comp Group 1: Comp Group 2: Enrolled: 62 Responded: 24 (38%) 5 or more enrolled huge class, >60 enrolled **Course-Section Results** Sections: 433 Sections: 155 Resps: 12,502 Resps: 19,499 Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median Count 3.7 0.81 (3.40 - 4.08) 4.1 (4.07 - 4.17) 4.0 (3.91 - 4.07)4.1 1. Overall rating of teaching effectiveness almost always effective usually effective 10 43% sometimes effective 8 35% rarely effective 4% 1 0% almost never effective 0.84 (3.08 - 3.79) (3.75 - 3.86)3.7 2. Overall instructor comparison 3.4 3.8 3.9 (3.56 - 3.77)3.7 one of the most effective 4% more effective than most 12 52% about as effective as most 6 26% less effective than most 17% 0% one of the least effective 0 0.71 (3.05 - 3.65) 3. Overall rating of the course 3.3 3.8 (3.75 - 3.85)3.7 (3.63 - 3.80)3.8 0 0% one of the best better than average 11 48% about average 9 39% worse than average 3 13% 0 one of the worst 3.8 0.85 (3.43 - 4.14) 3.9 (3.88 - 3.97)3.9 (3.83 - 3.98)4. Amount learned 4.0 17% much more than usual 4 more than usual 12 52% about as much as usual 5 22% less than usual 0% much less than usual 5. Usefulness of the in-class activities 3.8 0.94 (3.43 - 4.22) 4.0 (3.92 - 4.01)4.0 3.8 (3.76 - 3.91)3.9 almost always useful 30% usually useful 26% sometimes useful 39% rarely useful 1 4% 0% almost never useful 6. Usefulness of the outside assignments 4.2 0.85 (3.86 - 4.57) 4.2 (4.16 - 4.24)4.2 (4.14 - 4.27)4.3 almost always useful 11 48% usually useful 26% sometimes useful 6 26% rarely useful 0 0% almost never useful 0 7. Usefulness of course materials (new question) 4.0 1.02 (3.62 - 4.47) 3.8 (3.76 - 3.86)3.7 (3.63 - 3.80)3.8 almost always useful 39% usually useful 35% 22% sometimes useful 5 rarely useful 0 0% almost never useful 1 8. Students treated with respect 0.79 (4.11 - 4.76) 4.6 (4.61 - 4.66)4.5 (4.50 - 4.58)4.6 13 strongly agree 57% 8 35% agree uncertain 1 4% disagree 1 4% strongly disagree 9. Difficulty level of the course (new order) 0.72 (3.53 - 4.13) (3.76 - 3.86)3.9 (3.78 - 3.93)3.8 much more than usual 3 13% more than usual 61% 14 about the same as usual 5 22% less than usual 4% 0% much less than usual 0 10. Value of time spent on course 4.0 1.00 (3.58 - 4.42) 4.1 (4.06 - 4.14) 4.1 (4.00 - 4.12)4.1 almost all valuable 9 39% more than half valuable 30% about half valuable 5 22% 9% less than half valuable 2 almost none valuable 0%

**Efrat, Alon** Comparison Group(s) Results C SC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 437-001 LEC Fall and Spring **GEOMETRIC ALGORITHMS** Comp Group 1: Comp Group 2: Enrolled: 16 Responded: 11 (68%) 5 or more enrolled small class, 5-19 enrolled **Course-Section Results** Sections: 433 Sections: 143 Resps: 1,309 Resps: 19,499 Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median Count 4.5 0.69 (4.03 - 4.88) 4.1 (4.07 - 4.17) 4.3 (4.22 - 4.38)1. Overall rating of teaching effectiveness 4.4 almost always effective usually effective 36% sometimes effective 1 9% rarely effective 0 0% almost never effective 0% 0.99 (3.45 - 4.75) (3.75 - 3.86)4.0 (3.90 - 4.10)2. Overall instructor comparison 4.1 3.8 3.9 4.1 one of the most effective 40% more effective than most 40% about as effective as most 1 10% less effective than most 10% 0% one of the least effective 0 1.04 (3.81 - 5.00) 3.9 3. Overall rating of the course 4.5 3.8 (3.75 - 3.85)(3.83 - 3.99)4.0 8 73% one of the best better than average 1 9% about average 1 9% worse than average 1 9% 0% 0 one of the worst 4.5 0.69 (4.12 - 4.97) 3.9 (3.88 - 3.97)4.0 (3.88 - 4.04)4. Amount learned 4.0 64% much more than usual more than usual .3 27% about as much as usual 1 less than usual 0 0% 0% much less than usual 5. Usefulness of the in-class activities 4.5 0.93 (3.88 - 5.00) 4.0 (3.92 - 4.01)4.0 4.2 (4.07 - 4.24)4.3 almost always useful 64% usually useful 27% sometimes useful 0% rarely useful 1 9% 0% almost never useful 6. Usefulness of the outside assignments 0.47 (4.44 - 5.00) 4.2 (4.16 - 4.24)4.2 (4.14 - 4.30)4.2 almost always useful 73% usually useful 27% sometimes useful 0 0% rarely useful 0 0% almost never useful 0 7. Usefulness of course materials (new question) 4.3 1.01 (3.65 - 4.90) 3.8 (3.76 - 3.86)3.9 (3.84 - 4.04)4.0 almost always useful 55% usually useful 27% sometimes useful 1 9% rarely useful 9% almost never useful 0 8. Students treated with respect 0.69 (4.12 - 4.97) 4.6 (4.61 - 4.66)(4.71 - 4.78)4.8 64% strongly agree 3 27% agree uncertain 1 9% 0% 0% disagree 0 strongly disagree 9. Difficulty level of the course (new order) 0.70 (3.47 - 4.34) (3.76 - 3.86)3.8 (3.66 - 3.86)3.8 much more than usual 18% more than usual 6 55% about the same as usual 3 27% less than usual 0 0% 0% much less than usual 0 10. Value of time spent on course 0.81 (3.86 - 4.87) 4.1 (4.06 - 4.14) 4.2 (4.14 - 4.30)4.3 almost all valuable 6 55% more than half valuable 27% 3 about half valuable 2 18% less than half valuable 0 0% almost none valuable 0%

Efrat, Alon							<u>Com</u> ı	oarison Gro	<u>up(s) Resul</u>	<u>lts</u>	
C SC 645-001 LEC						1	cture, Seminar	s, Colloquia	Graduate		
ADV TOPIC ALGORITHM ANL	S						, ,	0.0041.00			
Enrolled: 12 Responde	d: 9 (75%	5)				Comp Grou		C_SCALGO	Comp Grou	p 2:	
			ection Res	ults		5 or more		0.700			
						Sections:		sps: 3,766			
	Count	Pct Resp	Mean	St.Dev	(95% CI)	Mean	(95% CI)	Median	Mean	(95% CI)	Median
<ol> <li>Overall rating of teaching</li> </ol>			4.1	0.64	(3.65 - 4.60)	4.3	(4.26 - 4.37)	4.4			
almost always effective	2	25%									
usually effective sometimes effective	5 1	63% 13%									
rarely effective	0	0%									
almost never effective	0	0%									
2 Overall instructor compa	ricon		3.6	1 10	(2.75 - 4.50)	4.0	(3.89 - 4.04)	4.0			
2. Overall instructor compa one of the most effective	2	25%	3.0	1.19	(2.75 - 4.50)	4.0	(3.89 - 4.04)	4.0			
more effective than most	3	38%									
about as effective as most	1	13%									
less effective than most	2	25%									
one of the least effective	0	0%									
3. Overall rating of the cours	se		3.8	1.16	(2.89 - 4.61)	4.1	(4.01 - 4.12)	4.1			
one of the best	2	25%	3.5		,		,2)	_			
better than average	4	50%									
about average	0	0%									
worse than average	2	25%									
one of the worst	0	0%									
4. Amount learned			3.6	1.19	(2.75 - 4.50)	4.0	(3.92 - 4.03)	4.0			
much more than usual	2	25%			,		,				
more than usual	3	38%									
about as much as usual	1	13%									
less than usual	2	25% 0%									
much less than usual	0	076									
5. Usefulness of the in-class	activities	6	4.1	0.99	(3.39 - 4.86)	4.2	(4.18 - 4.29)	4.3			
almost always useful	3	38%									
usually useful	4	50%									
sometimes useful	0	0%									
rarely useful almost never useful	1 0	13% 0%									
annost never ascrar	O										
6. Usefulness of the outside	assignm	ents	3.9	1.21	(2.88 - 4.83)	4.3	(4.24 - 4.35)	4.4			
almost always useful	3	38%									
usually useful	1	13%									
sometimes useful rarely useful	2 1	25% 13%									
almost never useful	0	0%									
7. Usefulness of course mat			4.6	0.74	(4.07 - 5.00)	4.3	(4.21 - 4.31)	4.3			
almost always useful	6	75%									
usually useful sometimes useful	1 1	13% 13%									
rarely useful	0	0%									
almost never useful	Ö	0%									
Q Ctudonto tracto di citto	nost		4.0	0.74	(4.07 5.00)	4 7	(4.60, 4.00)	17			
8. Students treated with res	-	750/	4.6	0.74	(4.07 - 5.00)	4.7	(4.62 - 4.69)	4.7			
strongly agree agree	6 1	75% 13%									
agree uncertain	1	13%									
disagree	0	0%									
strongly disagree	0	0%									
9. Difficulty level of the cour	se (new	order)	3.5	0.76	(2.94 - 4.06)	3.7	(3.63 - 3.76)	3.7			
much more than usual	Se (Hew	order) 0%	5.5	5.70	(2.07 7.00)	3.7	(5.55 5.76)	0.1			
more than usual	5	63%									
about the same as usual	2	25%									
less than usual	1	13%									
much less than usual	0	0%									
.O. Value of time spent on co	ourse		4.3	0.89	(3.59 - 4.91)	4.3	(4.21 - 4.31)	4.3			
almost all valuable	4	50%	***		,/		,	-			
more than half valuable	2	25%									
about half valuable	2	25%									
less than half valuable	0	0%									
almost none valuable	0	0%				1					

10819-01 **Efrat, Alon** Comparison Group(s) Results C SC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 445-001 LEC Fall and Spring **ALGORITHMS** Comp Group 1: Comp Group 2: Enrolled: 74 Responded: 33 (44%) 5 or more enrolled huge class, >60 enrolled **Course-Section Results** Sections: 433 Sections: 155 Resps: 12,502 Resps: 19,499 Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median Count 3.3 0.88 (2.97 - 3.58)4.1 (4.07 - 4.17) 4.0 (3.91 - 4.07)4.1 1. Overall rating of teaching effectiveness almost always effective usually effective 10 30% sometimes effective 18 55% rarely effective 3% almost never effective 6% 0.85 (2.40 - 2.99) (3.75 - 3.86)3.7 2. Overall instructor comparison 2.7 3.8 3.9 (3.56 - 3.77)3.7 one of the most effective 0% more effective than most 5 15% about as effective as most 16 48% less effective than most 27% 9% one of the least effective 3 0.86 (2.49 - 3.08) 3. Overall rating of the course 2.8 3.8 (3.75 - 3.85)3.7 (3.63 - 3.80)3.8 0 0% one of the best better than average 6 18% about average 17 52% worse than average 21% 3 one of the worst 3.2 0.90 (2.93 - 3.56) 3.9 (3.88 - 3.97)3.9 (3.83 - 3.98)4. Amount learned 4.0 9% much more than usual 3 more than usual 9 27% about as much as usual 14 42% less than usual 21% much less than usual 5. Usefulness of the in-class activities 3.2 1.12 (2.85 - 3.63) 4.0 (3.92 - 4.01)4.0 3.8 (3.76 - 3.91)3.9 almost always useful .3 9% usually useful 13 39% sometimes useful 27% rarely useful 5 15% almost never useful 3 6. Usefulness of the outside assignments 3.7 1.07 (3.32 - 4.07) 4.2 (4.16 - 4.24)4.2 (4.14 - 4.27)4.3 almost always useful 8 24% 12 36% usually useful sometimes useful 10 30% rarely useful 1 3% almost never useful 2 7. Usefulness of course materials (new question) 3.1 0.90 (2.75 - 3.37) 3.8 (3.76 - 3.86)3.7 (3.63 - 3.80)3.8 almost always useful 2 6% usually useful 21% sometimes useful 16 48% rarely useful 21% almost never useful 1 8. Students treated with respect 0.85 (3.89 - 4.47) 4.6 (4.61 - 4.66)4.5 (4.50 - 4.58)4.6 12 strongly agree 36% 17 52% agree uncertain 3 9% 0% 3% disagree 0 strongly disagree 9. Difficulty level of the course (new order) 0.70 (4.12 - 4.61) (3.76 - 3.86)3.9 (3.78 - 3.93)3.8 much more than usual 16 more than usual 39% 13 about the same as usual 4 12% less than usual 0 0% 0% much less than usual 0 10. Value of time spent on course 1.03 (3.07 - 3.78) 4.1 (4.06 - 4.14) 4.1 (4.00 - 4.12)4.1 almost all valuable 21% more than half valuable 6 18% about half valuable 14 42% less than half valuable 6 18% almost none valuable 0%

Efrat, Alon							<u>Com</u> ı	oarison Gro	up(s) Resul	<u>lts</u>	
C SC 645-001 LEC						1	cture, Seminar II and Spring	s, Colloquia	Graduate		
ADV TOPIC ALGORITHM ANLS	<b>;</b>							0.0041.00			
Enrolled: 8 Responded:	6 (75%)					Comp Grou		C_SCALGO	Comp Grou	p 2:	
·	, ,		ection Res	ults		5 or more of Sections: 1		sps: 3,766			
	Count	Pct Resp	Mean	St.Dev	(95% CI)	Mean	(95% CI)	Median	Mean	(95% CI)	Median
4. O									Ivican	(93/001)	Wedian
Overall rating of teaching			3.8	0.75	(3.17 - 4.49)	4.3	(4.26 - 4.37)	4.4			
almost always effective usually effective	1 3	17% 50%									
sometimes effective	2	33%									
rarely effective	0	0%									
almost never effective	0	0%									
2. Overall instructor compar	rison		3.2	1.33	(2.00 - 4.33)	4.0	(3.89 - 4.04)	4.0			
one of the most effective	1	17%			,		,				
more effective than most	1	17%									
about as effective as most	3	50%									
less effective than most	0	0% 17%									
one of the least effective	1	1170									
3. Overall rating of the cours	e		3.3	1.37	(2.14 - 4.53)	4.1	(4.01 - 4.12)	4.1			
one of the best	1	17%									
better than average	2	33%									
about average	2	33%									
worse than average one of the worst	0 1	0% 17%									
one of the worst	_										
4. Amount learned			3.0	1.26	(1.89 - 4.11)	4.0	(3.92 - 4.03)	4.0			
much more than usual	1	17%									
more than usual	0	0%									
about as much as usual less than usual	4 0	67% 0%									
much less than usual	1	17%									
5. Usefulness of the in-class			4.6	0.55	(4.06 - 5.00)	4.2	(4.18 - 4.29)	4.3			
almost always useful	3	60%									
usually useful sometimes useful	2 0	40% 0%									
rarely useful	0	0%									
almost never useful	0	0%									
G. Hoofulpoop of the outside	aaaidam	onto	4.0	1 15	(2.60 F.00)	4.3	(4.24 4.25)	4.4			
6. Usefulness of the outside	_	33%	4.0	1.15	(2.69 - 5.00)	4.5	(4.24 - 4.35)	4.4			
almost always useful usually useful	2 0	0%									
sometimes useful	2	33%									
rarely useful	0	0%									
almost never useful	0	0%									
7. Usefulness of course mate	erials (ne	w auestion)	4.0	1 15	(2.69 - 5.00)	4.3	(4.21 - 4.31)	4.3			
almost always useful	2	33%	1.0	1.10	(2.00 0.00)	1.0	(1.21 1.01)	7.0			
usually useful	0	0%									
sometimes useful	2	33%									
rarely useful	0	0%									
almost never useful	0	0%									
8. Students treated with resp	pect		4.5	0.84	(3.77 - 5.00)	4.7	(4.62 - 4.69)	4.7			
strongly agree	4	67%			(=====		( )				
agree	1	17%									
uncertain	1	17%									
disagree	0	0% 0%									
strongly disagree	U										
9. Difficulty level of the cours	se (new	order)	2.8	1.17	(1.81 - 3.86)	3.7	(3.63 - 3.76)	3.7			
much more than usual	0	0%									
more than usual	2	33%									
about the same as usual	2 1	33% 17%									
less than usual much less than usual	1	17% 17%									
O. Value of time spent on co			3.7	1.51	(2.35 - 4.99)	4.3	(4.21 - 4.31)	4.3			
almost all valuable	2	33%									
more than half valuable about half valuable	2 1	33% 17%									
augur nan Valuable	1					1					
less than half valuable	0	0%									

10933-01 **Efrat, Alon** Comparison Group(s) Results C SC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 352-001 LEC Fall and Spring SYSTEM PROGRAMMING UNIX Comp Group 1: Comp Group 2: Enrolled: 38 Responded: 21 (55%) 5 or more enrolled medium class, 20-39 enrolled **Course-Section Results** Sections: 433 Sections: 54 Resps: 19,499 Resps: 1,687 Count Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median 3.0 0.86 (2.67 - 3.43)4.1 (4.07 - 4.17) 4.2 4.0 (3.86 - 4.16)4.2 1. Overall rating of teaching effectiveness almost always effective usually effective 33% sometimes effective 9 43% rarely effective 4 19% almost never effective 5% 1.03 (2.12 - 3.02) (3.75 - 3.86)3.7 2. Overall instructor comparison 2.6 3.8 3.9 (3.49 - 3.85)3.8 one of the most effective 0% more effective than most 19% about as effective as most 8 38% less effective than most 19% one of the least effective 0.94 (2.35 - 3.18) 3.8 3. Overall rating of the course 2.8 3.8 (3.75 - 3.85)(3.59 - 3.91)3.9 5% one of the best better than average .3 14% about average 8 38% worse than average 8 38% one of the worst 1 0.80 (3.03 - 3.73) 3.9 (3.88 - 3.97)3.8 (3.69 - 3.97)4. Amount learned 3.4 3.9 2 10% much more than usual more than usual 6 29% about as much as usual 11 52% less than usual 10% much less than usual 5. Usefulness of the in-class activities 3.0 1.07 (2.48 - 3.42) 4.0 (3.92 - 4.01)4.0 3.9 (3.76 - 4.04)4.0 almost always useful 5% usually useful 6 29% sometimes useful 33% rarely useful 5 24% 10% almost never useful 6. Usefulness of the outside assignments 3.6 0.93 (3.17 - 3.98) 4.2 (4.16 - 4.24)4.2 (4.05 - 4.31)4.3 almost always useful 14% 43% usually useful sometimes useful 6 29% rarely useful 3 14% almost never useful 0 7. Usefulness of course materials (new question) 3.2 1.17 (2.62 - 3.70) 3.8 (3.76 - 3.86)3.9 (3.71 - 4.00)3.9 almost always useful 15% usually useful 20% sometimes useful 6 30% rarely useful 5 25% almost never useful 1 8. Students treated with respect 0.92 (3.55 - 4.36) 4.6 (4.61 - 4.66)4.6 (4.55 - 4.71)29% strongly agree 6 10 48% agree 14% uncertain 3 10% 0% disagree 2 strongly disagree 9. Difficulty level of the course (new order) 0.91 (3.74 - 4.54) (3.76 - 3.86)(3.56 - 3.83)3.7 much more than usual more than usual 33% 4 about the same as usual 19% less than usual 5% 0% much less than usual 0 10. Value of time spent on course 1.25 (2.98 - 4.07) 4.1 (4.06 - 4.14) 4.0 (3.88 - 4.14)4.1 almost all valuable 6 29% more than half valuable 24% 5 about half valuable 5 24% less than half valuable 4 19% almost none valuable 5%

12/30/2015 TCE Course - Section Comparison Report 11531-01 **Efrat, Alon** Comparison Group(s) Results C SC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 352-001 LEC Fall and Spring SYSTEM PROGRAMMING UNIX Comp Group 1: Comp Group 2: Enrolled: 69 Responded: 39 (57%) 5 or more enrolled huge class, >60 enrolled **Course-Section Results** Sections: 433 Sections: 155 Resps: 12,502 Resps: 19,499 Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median Count 3.0 1.05 (2.67 - 3.33) 4.1 (4.07 - 4.17) 4.0 (3.91 - 4.07)4.1 1. Overall rating of teaching effectiveness almost always effective usually effective 10 26% sometimes effective 12 31% rarely effective 12 31% almost never effective 5% 1.06 (2.02 - 2.70) (3.75 - 3.86)3.7 2. Overall instructor comparison 2.4 3.8 3.9 (3.56 - 3.77)3.7 one of the most effective 5% more effective than most 3 8% about as effective as most 10 26% less effective than most 16 41% 21% one of the least effective 8 0.99 (2.25 - 2.88) 3. Overall rating of the course 2.6 3.8 (3.75 - 3.85)3.7 (3.63 - 3.80)3.8 3% one of the best 1 better than average 6 15% about average 12 31% worse than average 15 38% 13% one of the worst 5 2.9 0.92 (2.66 - 3.24) 3.9 (3.88 - 3.97)3.9 (3.83 - 3.98)4. Amount learned 4.0 8% much more than usual 3 more than usual 5 13% about as much as usual 19 49% less than usual 28% 11 much less than usual 5. Usefulness of the in-class activities 3.0 1.03 (2.67 - 3.33) 4.0 (3.92 - 4.01)4.0 3.8 (3.76 - 3.91)3.9 almost always useful .3 8% usually useful 8 21% sometimes useful 17 44% rarely useful 8 21% almost never useful 3 6. Usefulness of the outside assignments 3.8 1.01 (3.52 - 4.17) 4.2 (4.16 - 4.24)4.2 (4.14 - 4.27)4.3 almost always useful 11 28% usually useful sometimes useful 8 21% rarely useful 3 8% almost never useful 1 7. Usefulness of course materials (new question) 3.3 0.97 (2.97 - 3.59) 3.8 (3.76 - 3.86)3.7 (3.63 - 3.80)3.8 almost always useful 10% usually useful 28% sometimes useful 18 46% rarely useful 4 10% almost never useful 2 8. Students treated with respect 0.82 (4.00 - 4.52) 4.6 (4.61 - 4.66)4.5 (4.50 - 4.58)4.6 18 46% strongly agree 14 36% agree 15% uncertain 6 3% 0% disagree 1 strongly disagree 0 9. Difficulty level of the course (new order) 0.71 (3.54 - 3.99) (3.76 - 3.86)3.9 (3.78 - 3.93)3.8 much more than usual 6 15% more than usual 46% 18 about the same as usual 15 38% 0% less than usual 0 0% much less than usual 0 10. Value of time spent on course 1.15 (2.97 - 3.70) 4.1 (4.06 - 4.14) 4.1 (4.00 - 4.12)4.1 almost all valuable 8 21% more than half valuable 21% 8 about half valuable 14 36%

18%

less than half valuable

almost none valuable

Comparison Group(s) Results **Efrat, Alon** C SC Lecture, Seminars, Colloquia Graduate CSC 534-001 LEC Fall and Spring **ADV TPCS COMPTR GRAPHICS** Comp Group 1: Comp Group 2: Enrolled: 10 Responded: 7 (70%) 5 or more enrolled **Course-Section Results** Sections: 188 Resps: 3,766 Count Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median 1. Overall rating of teaching effectiveness 3.6 0.98 (2.79 - 4.35)4.3 (4.26 - 4.37) almost always effective usually effective 43% sometimes effective 2 29% rarely effective 1 14% almost never effective 0% 1.15 (2.08 - 3.92) 4.0 (3.89 - 4.04)2. Overall instructor comparison 3.0 4.0 one of the most effective 14% more effective than most 0% about as effective as most 5 71% less effective than most 0% 14% one of the least effective 0.79 (2.94 - 4.20) 4.1 (4.01 - 4.12)3. Overall rating of the course 3.6 14% one of the best better than average 2 29% about average 4 57% worse than average 0 0% 0% 0 one of the worst 3.6 0.79 (2.94 - 4.20) 4.0 (3.92 - 4.03)4. Amount learned 14% much more than usual 1 more than usual 2 29% about as much as usual 4 57% less than usual much less than usual 5. Usefulness of the in-class activities 3.4 1.13 (2.52 - 4.34) 4.2 (4.18 - 4.29)4.3 almost always useful 14% usually useful 3 43% sometimes useful 14% 2 rarely useful 29% almost never useful 6. Usefulness of the outside assignments 4.3 0.76 (3.68 - 4.89) 4.3 (4.24 - 4.35)almost always useful 43% usually useful 43% sometimes useful 1 14% rarely useful 0 0% almost never useful 0 7. Usefulness of course materials (new question) 3.9 0.69 (3.30 - 4.41) 4.3 (4.21 - 4.31) 4.3 almost always useful 14% usually useful 57% 29% sometimes useful 2 0 rarely useful 0% almost never useful 0 8. Students treated with respect 0.53 (4.00 - 4.86) (4.62 - 4.69)43% strongly agree 57% agree uncertain 0 0% 0% 0% disagree 0 strongly disagree 9. Difficulty level of the course (new order) 0.76 (3.11 - 4.32) (3.63 - 3.76)much more than usual more than usual 43% 3 about the same as usual 3 43% less than usual 0 0% much less than usual 0% 10. Value of time spent on course 0.76 (3.68 - 4.89) 4.3 (4.21 - 4.31)almost all valuable 3 43% more than half valuable 3 43% about half valuable 1 14% less than half valuable 0 0% almost none valuable 0%

Efrat, Alon							<u>Com</u>	<u>parison Gro</u>	up(s) Results		
C SC 545-001 LEC						1	ecture, Semina	rs, Colloquia	Graduate		
DSGN ANLS OF ALGORITHM	S					F	all and Spring				
Enrolled: 46 December	od: 21 /670/	`				Comp Gro	oup <b>1</b> :	C_SCALGO	Comp Group 2:		
Enrolled: 46 Responde	ed: 31 (67%	•	anthem Dan			5 or more					
		Course-S	ection Res	<u>uits</u>		Sections:	: 188 Re	esps: 3,766			
	Count	Pct Resp	Mean	St.Dev	(95% CI)	Mean	(95% CI)	Median	Mean (9	5% CI)	Median
1. Overall rating of teaching	g effectiven	ess	3.5	0.57	(3.24 - 3.66)	4.3	(4.26 - 4.37)	4.4			
almost always effective	1	3%									
usually effective	12	39%									
sometimes effective	18	58%									
rarely effective almost never effective	0 0	0% 0%									
annost never enective	O										
2. Overall instructor compa	arison		2.9	0.81	(2.64 - 3.23)	4.0	(3.89 - 4.04)	4.0			
one of the most effective	1	3%									
more effective than most	6	19%									
about as effective as most	14	45%									
less effective than most one of the least effective	10 0	32% 0%									
one of the least effective	U										
3. Overall rating of the cour	se		3.6	0.61	(3.42 - 3.87)	4.1	(4.01 - 4.12)	4.1			
one of the best	1	3%									
better than average	19	61%									
about average	10	32%									
worse than average	1	3% 0%									
one of the worst	0	0%									
4. Amount learned			3.5	0.72	(3.22 - 3.75)	4.0	(3.92 - 4.03)	4.0			
much more than usual	2	6%			(		(				
more than usual	13	42%									
about as much as usual	14	45%									
less than usual	2	6%									
much less than usual	0	0%									
E Haafulaaaa af tha in alaa	o ootivitioo		3.8	0.00	(2.45 4.10)	4.2	(4.19. 4.20)	4.3			
5. Usefulness of the in-clas			3.8	0.88	(3.45 - 4.10)	4.2	(4.18 - 4.29)	4.3			
almost always useful	7	23%									
usually useful sometimes useful	12 10	39% 32%									
rarely useful	2	32% 6%									
almost never useful	0	0%									
6. Usefulness of the outside	O	nts	4.3	0.86	(3.94 - 4.57)	4.3	(4.24 - 4.35)	4.4			
almost always useful	14	45%									
usually useful	13	42%									
sometimes useful	2	6%									
rarely useful almost never useful	2 0	6% 0%									
7. Usefulness of course ma	iterials (nev	question)	4.4	0.72	(4.10 - 4.63)	4.3	(4.21 - 4.31)	4.3			
almost always useful	15	50%									
usually useful	11	37%									
sometimes useful	4	13%									
rarely useful almost never useful	0 0	0% 0%									
annost never userul	U	<del>-</del>									
8. Students treated with re-	spect		4.4	0.66	(4.11 - 4.60)	4.7	(4.62 - 4.69)	4.7			
strongly agree	13	42%									
agree	17	55%									
uncertain	0	0%									
disagree	1	3% 0%									
strongly disagree	0	<i>070</i>									
9. Difficulty level of the cou	rse (new o	rder)	3.9	0.68	(3.69 - 4.18)	3.7	(3.63 - 3.76)	3.7			
much more than usual	6	19%			/		/				
more than usual	17	55%									
about the same as usual	8	26%									
less than usual	0	0%									
much less than usual	0	0%									
O. Value of time spent on c	OUISE		4.1	0.68	(3.82 - 4.31)	4.3	(4.21 - 4.31)	4.3			
almost all valuable	8	26%	7.1	5.55	(0.02 →.01)	7.5	( +.21 - 4.31)	1.5			
more than half valuable	8 17	26% 55%									
about half valuable	6	19%									
less than half valuable	0	0%									
almost none valuable	0	0%				1					

agree

almost all valuable

about half valuable

more than half valuable

less than half valuable

almost none valuable

12/30/2015 **TCE Course - Section Comparison Report** 58197-01 **Efrat, Alon** Comparison Group(s) Results C SC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 433-001 LEC Fall and Spring **COMPUTER GRAPHICS** Comp Group 1: Comp Group 2: Enrolled: 35 Responded: 19 (54%) 5 or more enrolled medium class, 20-39 enrolled **Course-Section Results** Sections: 433 Sections: 54 Resps: 19,499 Resps: 1,687 Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median Count 2.8 1.26 (2.24 - 3.45)4.1 (4.07 - 4.17) 4.0 (3.86 - 4.16)4.2 1. Overall rating of teaching effectiveness almost always effective usually effective 6 32% sometimes effective 5 26% rarely effective 3 16% almost never effective 21% 1.25 (1.88 - 3.12) (3.75 - 3.86)3.7 2. Overall instructor comparison 2.5 3.8 3.9 (3.49 - 3.85)3.8 one of the most effective 6% more effective than most 3 17% about as effective as most 5 28% less effective than most 4 22% 28% one of the least effective 5 1.28 (2.03 - 3.30) 3.8 3. Overall rating of the course 2.7 3.8 (3.75 - 3.85)(3.59 - 3.91)3.9 6% one of the best better than average 4 22% about average 6 33% worse than average 2 11% 28% 5 one of the worst 1.10 (2.57 - 3.64) 3.9 (3.88 - 3.97)3.8 (3.69 - 3.97)4. Amount learned 3.1 3.9 5% much more than usual 1 more than usual 37% about as much as usual 6 32% less than usual 16% much less than usual 5. Usefulness of the in-class activities 2.8 1.20 (2.24 - 3.43) 4.0 (3.92 - 4.01)4.0 3.9 (3.76 - 4.04)4.0 almost always useful 6% usually useful 5 28% sometimes useful 28% rarely useful 22% almost never useful 6. Usefulness of the outside assignments 3.8 1.00 (3.28 - 4.28) 4.2 (4.16 - 4.24)4.2 (4.05 - 4.31)4.3 almost always useful 28% usually useful 33% sometimes useful 5 28% rarely useful 11% almost never useful 0 7. Usefulness of course materials (new question) 3.2 1.34 (2.50 - 3.83) 3.8 (3.76 - 3.86)3.9 (3.71 - 4.00)3.9 almost always useful 11% usually useful 39% 28% sometimes useful 5 rarely useful 0 0% almost never useful 8. Students treated with respect 0.91 (3.88 - 4.78) 4.6 (4.61 - 4.66)4.6 (4.55 - 4.71)10 56% strongly agree 28% 5 11% uncertain 2 disagree 1 strongly disagree 9. Difficulty level of the course (new order) 0.79 (3.78 - 4.56) (3.76 - 3.86)(3.56 - 3.83)3.7 much more than usual more than usual 39% 4 about the same as usual 22% less than usual 0 0% 0% much less than usual 0 10. Value of time spent on course 1.24 (2.72 - 3.95) 4.1 (4.06 - 4.14) 4.0 (3.88 - 4.14)4.1

22%

22%

28%

22%

6%

5

4

**Efrat, Alon** Comparison Group(s) Results C SC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 437-001 LEC Fall and Spring **GEOMETRIC ALGORITHMS** Comp Group 1: Comp Group 2: Enrolled: 22 Responded: 18 (82%) 5 or more enrolled medium class, 20-39 enrolled **Course-Section Results** Sections: 433 Sections: 54 Resps: 19,499 Resps: 1,687 Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median Count 4.2 0.55 (3.95 - 4.49)4.1 (4.07 - 4.17) 4.0 (3.86 - 4.16)4.2 1. Overall rating of teaching effectiveness almost always effective 28% usually effective 12 67% sometimes effective 1 6% rarely effective 0 0% almost never effective 0% 0.68 (3.55 - 4.23) (3.75 - 3.86)3.7 2. Overall instructor comparison 3.9 3.8 3.9 (3.49 - 3.85)3.8 one of the most effective 17% more effective than most 10 56% about as effective as most 5 28% less effective than most 0 0% one of the least effective 0 0.71 (3.82 - 4.52) 3.8 3. Overall rating of the course 4.2 3.8 (3.75 - 3.85)(3.59 - 3.91)3.9 6 33% one of the best better than average 9 50% about average 3 17% worse than average 0 0% 0% one of the worst 0 4.2 0.73 (3.86 - 4.59) 3.9 (3.88 - 3.97)3.8 (3.69 - 3.97)4. Amount learned 3.9 39% much more than usual more than usual 8 44% about as much as usual 3 17% less than usual 0 0% much less than usual 5. Usefulness of the in-class activities 4.3 0.67 (3.95 - 4.61) 4.0 (3.92 - 4.01)4.0 3.9 (3.76 - 4.04)4.0 almost always useful 39% usually useful 9 50% sometimes useful 11% 0 rarely useful 0% 0% almost never useful 6. Usefulness of the outside assignments 4.6 0.50 (4.36 - 4.86) 4.2 (4.16 - 4.24)4.2 (4.05 - 4.31)4.3 almost always useful 11 61% usually useful 39% sometimes useful 0 0% rarely useful 0 0% almost never useful 0 7. Usefulness of course materials (new question) 0.49 (4.43 - 4.91) 3.8 (3.76 - 3.86)3.9 (3.71 - 4.00)3.9 almost always useful 12 67% usually useful 33% sometimes useful 0 0% rarely useful 0 0% almost never useful 0 8. Students treated with respect 0.49 (4.43 - 4.91) 4.6 (4.61 - 4.66)4.6 (4.55 - 4.71)12 strongly agree 67% 33% agree 6 uncertain 0 0% 0% 0% disagree 0 strongly disagree 9. Difficulty level of the course (new order) 0.83 (3.47 - 4.30) (3.76 - 3.86)(3.56 - 3.83)3.7 much more than usual more than usual 33% 6 about the same as usual 39% less than usual 0 0% 0% much less than usual 10. Value of time spent on course 0.61 (4.09 - 4.69) 4.1 (4.06 - 4.14) 4.0 (3.88 - 4.14)4.1 almost all valuable 8 44% more than half valuable 9 50% about half valuable 1 6% less than half valuable 0 0% almost none valuable 0%

09857-01 **Efrat, Alon** Comparison Group(s) Results C SC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 445-001 LEC Fall and Spring **ALGORITHMS** Comp Group 1: Comp Group 2: Enrolled: 98 Responded: 71 (72%) 5 or more enrolled huge class, >60 enrolled **Course-Section Results** Sections: 433 Sections: 155 Resps: 12,502 Resps: 19,499 Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median Count 3.6 0.96 (3.32 - 3.78)4.1 (4.07 - 4.17) 4.0 (3.91 - 4.07)4.1 1. Overall rating of teaching effectiveness 4.2 almost always effective 16% usually effective 26 38% sometimes effective 24 35% rarely effective 9% 6 almost never effective 3% 1.03 (2.84 - 3.33) (3.75 - 3.86)3.7 2. Overall instructor comparison 3.1 3.8 3.9 (3.56 - 3.77)3.7 one of the most effective 10% more effective than most 15 22% about as effective as most 27 39% less effective than most 17 25% 4% one of the least effective 3 1.03 (3.06 - 3.55) 3. Overall rating of the course 3.3 3.8 (3.75 - 3.85)3.7 (3.63 - 3.80)3.8 10 14% one of the best better than average 17 25% about average 29 42% worse than average 10 14% one of the worst 3 3.5 1.04 (3.27 - 3.77) 3.9 (3.88 - 3.97)3.9 (3.83 - 3.98)4. Amount learned 4.0 much more than usual 15 22% more than usual 18 26% about as much as usual 25 36% less than usual 10 14% much less than usual 5. Usefulness of the in-class activities 3.7 1.00 (3.47 - 3.95) 4.0 (3.92 - 4.01)4.0 3.8 (3.76 - 3.91)3.9 almost always useful 17 25% usually useful 23 33% sometimes useful 23 33% rarely useful 6% almost never useful 6. Usefulness of the outside assignments 4.0 0.78 (3.83 - 4.20) 4.2 (4.16 - 4.24)4.2 (4.14 - 4.27)4.3 almost always useful 19 28% usually useful 49% sometimes useful 14 21% rarely useful 2 3% 0% almost never useful 0 7. Usefulness of course materials (new question) 3.2 1.24 (2.88 - 3.47) 3.8 (3.76 - 3.86)3.7 (3.63 - 3.80)3.8 almost always useful 13 19% usually useful 13 19% sometimes useful 23 33% rarely useful 13 19% almost never useful 8. Students treated with respect 0.90 (3.99 - 4.42) 4.6 (4.61 - 4.66)4.5 (4.50 - 4.58)4.6 29 42% strongly agree 45% agree 31 6% uncertain 4 6% 1% disagree 4 strongly disagree 10. Value of time spent on course 1.12 (3.55 - 4.09) (4.06 - 4.14)(4.00 - 4.12)4.1 almost all valuable 25 37% more than half valuable 24% 16 about half valuable 19 28% less than half valuable 6 9% 3% almost none valuable 2 13. Difficulty level of the course 0.71 (3.68 - 4.03) 3.8 (3.63 - 3.89) (3.30 - 3.74)3.6 extremely easy (1) 0 0% easier than average (2) 1 1% about average (3) 20 29% more difficult than average (4) 36 52% extremely difficult (5) 17%

**Efrat, Alon** Comparison Group(s) Results C SC Lecture, Seminars, Colloquia Upper Division Undergraduate CSC 344-001 LEC Fall and Spring FOUNDATIONS OF COMPUTING Comp Group 1: Comp Group 2: Enrolled: 81 Responded: 47 (58%) 5 or more enrolled huge class, >60 enrolled **Course-Section Results** Sections: 433 Resps: 19,499 Sections: 155 Resps: 12,502 Count Pct Resp Mean St.Dev (95% CI) Mean (95% CI) Median Mean (95% CI) Median 1. Overall rating of teaching effectiveness 3.2 1.05 (2.86 - 3.48)4.1 (4.07 - 4.17) 4.0 (3.91 - 4.07)4.1 almost always effective usually effective 13 28% sometimes effective 16 34% rarely effective 11 23% almost never effective 2.7 1.19 (2.40 - 3.09) 3.8 (3.75 - 3.86)3.7 2. Overall instructor comparison 3.9 (3.56 - 3.77)3.7 one of the most effective 9% more effective than most 8 17% about as effective as most 15 32% less effective than most 12 26% 17% one of the least effective 8 2.8 1.06 (2.48 - 3.10) 3.8 (3.75 - 3.85)3.7 3. Overall rating of the course (3.63 - 3.80)3.8 2 4% one of the best better than average 10 21% about average 17 36% worse than average 12 26% 13% one of the worst 6 0.90 (2.65 - 3.18) 2.9 3.9 (3.88 - 3.97)3.9 (3.83 - 3.98)4. Amount learned 4.0 6% much more than usual 3 more than usual 6 13% about as much as usual 24 51% 12 less than usual 26% much less than usual 5. Usefulness of the in-class activities 3.4 1.06 (3.11 - 3.74) 4.0 (3.92 - 4.01)4.0 3.8 (3.76 - 3.91)3.9 almost always useful 8 17% usually useful 14 30% sometimes useful 17 36% rarely useful 6 13% almost never useful 6. Usefulness of the outside assignments 3.5 1.20 (3.12 - 3.82) 4.2 (4.16 - 4.24)4.2 (4.14 - 4.27)4.3 almost always useful 19% usually useful 17 36% sometimes useful 13 28% rarely useful 3 6% almost never useful 5 8. Students treated with respect 4.0 1.07 (3.71 - 4.34) 4.6 (4.61 - 4.66)4.5 (4.50 - 4.58)4.6 strongly agree 40% 17 agree 36% uncertain 5 11% disagree 5 11% strongly disagree 1 13. Difficulty level of the course 0.81 (3.53 - 4.00) 3.8 (3.63 - 3.89)3.5 (3.30 - 3.74)extremely easy (1) 0 0% easier than average (2) 2 4% 16 34% about average (3) more difficult than average (4) 20 43% extremely difficult (5)