APPENDIX E

COURSE BY COURSE ENROLLMENT DATA FOR UNIVERSITIES AND FOUR-YEAR COLLEGES (In Thousands)

	Course	Universities	Public Colleges	Private Colleges	Total
	TOTAL	631	573	293	1497
1.	Arithmetic for College Students	L	5	1	6
2.	General Math (basic skills, operations)	L	23	3	26
3.	High School Geometry	L	1	1	2
4.	Elementary Algebra (H.S.)	4	22	L	26
5.	Intermediate Algebra (H.S.)	26	46	9	81
6.	College Algebra	44	27	9	80
7.	Trigonometry	13	14	4	31
8.	College Algebra and Trigonometry, combined	35	28	16	79
9.	Elementary Functions	13	8	8	29
10.	Mathematics for Liberal Arts	21	64	18	103
11.	Finite Mathematics	25	27	22	74
12.	Math of Finance	1	3	L	4
13.	Business Math	20	18	5	43
14.	Math for Elementary School Teachers	22	34	12	68
15.	Analytic Geometry	2	2	L	4
16.	Other pre-calculus: specify	19	13	8	40

	Course	Universities	Public Colleges	Private Colleges	Total
17.	Calculus (math., phys., and eng. sciences)	148	83	73	304
18.	Calculus (bio., soc., and mgmt. sciences)	43	29	17	89
19.	Numerical Analysis	2	3	L	5
20.	Differential Equations	10	8	5	23
21.	Linear Algebra	9	8	7	24
22.	Differential Equations and Linear Algebra	3	1	1	5
23.	Advanced Calculus	5	5	4	14
24.	Advanced Differential Equations	1	L	L	1
25.	Partial Differential Equations	2	1	L	3
26.	Real Analysis	2	2	2	6
27.	Complex Variables	1	2	1	4
28.	Vector Analysis	1	1	2	4
29.	Advanced Math for Engineers & Physicists	5	3	1	9
30.	Geometry Survey	1	3	1	5
31.	Projective Geometry	L	L	L	L
32.	Topology	1	L	L	1
33.	Modern Algebra	4	4	5	13
34.	Matrix Theory	2	2	L	4
35.	Combinatorics	L	L	L	L

	Course	Universities	Public Colleges	Private Colleges	Total
36.	Foundations of Mathematics	L	1	L	1
37.	Theory of Numbers	L	1	L	1
38.	Set Theory	1	1	L	2
39.	History of Mathematics	L	1	1	2
40.	Mathematical Logic	L	L	L	L
41.	Math for Sec. School Teachers (methods, etc.)	1	1	1	3
42.	Applied Math. (models)	1	L	L	1
43.	Biomathematics	1	L	L	1
44.	Elementary Statistics (no calculus prereq.)	30	27	17	74
45.	Probability (& Stat.) (no calculus prereq.)	12	8	5	25
46.	Mathematical Statistics (Calculus)	7	4	3	14
47.	Probability (Calculus)	3	2	3	8
48.	Applied Statistical Analysis	9	1	L	10
49.	Design and Analysis of Experiments	1	1	L	2
50.	Statistics, Other (specify)	5	2	1	8
51.	Intro. to Computing ACM: B-1	24	10	16	50
52.	Intro. to Computing, II	5	7	1	13
53.	Computers and Programming ACM: B-2	5	5	3	13

	Course	Universities	Public Colleges	Private Colleges	Total
54.	Intro. to Discrete Structures ACM: B-3	2	1	L	3
55.	Numerical Calculus ACM: B-4	3	L	L	3
56.	Intro. to File Processing	3	L	L	3
57.	Data Structures ACM: 1-1	2	1	L	3
58.	Programming Languages ACM: 1-2	5	2	L	7
59.	Computer Organization ACM: 1-3	2	1	L	3
60.	Systems Programming ACM: 1-4	1	1	L	2
61.	Compiler Construction ACM: 1-5	1	L	L	1
62.	Design & Anal. of Computer Algorithms	1	L	L	1
63.	Artifical Intell. & Heuristic Programming	1	L	L	1
64.	Automata Theory	1	L	L	1
65.	Information Storage and Retrieval	1	L	L	1
66.	Numerical Analysis (Computer) ACM: 1-8&9	1	L	L	1
67.	Combinatorics and Graph Theory	1	L	L	1
68.	Senior Seminar (Mathematics)	L	L	1	1
69.	Senior Seminar (Statistics)	L	L	L	L

Course	Universities	Public Colleges	Private Colleges	Total
70. Senior Seminar (Computer Science)	L	L	L	L
71. Indep. Study or Honors (Mathematics)	1	L	1	2
72. Indep. Study or Honors (Statistics)	L	L	L	L
73. Indep. Study or Honors (Computer Science)	1	L	L	1
74. Other: Specify	14	5	5	24

L = less than 500