Appendix I

Enrollments in Department Courses in Four-Year Colleges and Universities: 1995, 2000, 2005

TABLE A.1 Enrollment (in 1000s) in mathematics courses: in fall 1995, 2000, and 2005, [with SE for 2005 totals]. Roundoff may cause marginal totals to appear incorrect.

				Fall 2005 Enrollment (in 1000s)						
				Mathematics Departments				Statistics Departments		
Courses	1995	2000	2005	Univ (PhD)	Univ (MA)	Coll (BA)	Subtotal Math Depts	Univ (PhD)	Univ (MA)	Subtotal Stat Depts
Precollege										
1 Arithmetic	7	10	14 [4.7]	4	1	10	14 [4.7]			
2 Genl Math (Basic Skills)	13	13	16 [4.6]	1	3	11	16 [4.6]			
3 High School Elem Algebra	56	70	59 [9.8]	10	23	26	59 [9.8]			
4 High School Intermed Alg	131	117	105 [11.6]	38	29	38	105 [11.6]			
5 Other precollege level	15	8	7 [2.4]	1	4	2	7 [2.4]			
Subtotal Precollege Lvl	**222**	**218**	**201 [18.8]**	**55 [7.1]**	**60 [10.2]**	**87 [14.0]**	**201 [18.8]**			
Introductory (Incl. pre-Calc)										
6 Coll Algebra	195	211	201 [17.2]	75	64	63	201 [17.2]			
7 Trigonometry	42	33	30 [3.5]	17	6	7	30 [3.5]			
8 Coll Alg & Trig combined	45	37	34 [6.8]	18	7	9	34 [6.8]			
9 Elem Fnctns [1]	86	105	93 [8.9]	47	20	25	93 [8.9]			
10 Intro Math Modeling	(na)	13	8 [3.1]	1	4	3	8 [3.1]			
11 Math Lib Arts	74	86	123 [11.7]	31	37	55	123 [11.7]			
12 Finite Math	59	82	94 [16.1]	43	18	33	94 [16.1]			
13 Business Math	40	53	38 [5.8]	16	12	10	38 [5.8]			
14 Math Elem Sch Tchrs	59	68	72 [6.5]	15	20	37	72 [6.5]			
15 Other Intro level math	14	36	12 [2.5]	6	1	5	12 [2.5]			
Subtotal Intro Level	**614**	**723**	**706 [29.0]**	**269 [17.2]**	**190 [10.9]**	**248 [20.6]**	**706 [29.0]**			

[1] Elementary Functions, Precalculus, and Analytic Geometry.

TABLE A.1, Cont. Fall term mathematics course enrollment (in 1000s) [with SE for 2005 totals].

				Fall 2005 Enrollments (in 1000s)						
				Mathematics Departments				Statistics Deptartments		
Courses	1995	2000	2005	Univ (PhD)	Univ (MA)	Coll (BA)	Subtotal Math Depts	Univ (PhD)	Univ (MA)	Subtotal Stat Depts
Calculus Level										
16 Mainstream Calc I	192	192	201 [9.6]	105	30	65	201 [9.6]			
17 Mainstream Calc II	83	87	85 [4.9]	54	12	19	85 [4.9]			
18 Mainstream Calc III,IV	62	73	74 [4.0]	51	9	14	74 [4.0]			
19 Non-mainstrm Calc I	98	105	108 [8.6]	61	21	26	108 [8.6]			
20 Non-mainstrm Calc II	14	10	11 [2.0]	10	0	0	11 [2.0]			
21a Diff Eq & Lin Alg (comb)	na	na	9 [2.2]	6	1	2	9 [2.2]			
21b Differential Equations	33	34	36 [2.8]	26	4	5	36 [2.8]			
22 Discrete Math	16	20	17 [1.9]	6	3	8	17 [1.9]			
23 Linear/Matrix Algebra	33	41	37 [2.6]	22	6	10	37 [2.6]			
24 Other calculus level	9	7	9 [2.7]	4	0	5	9 [2.7]			
Subtotal calculus level	**539**	**570**	**586 [23.6]**	**345 [17.4]**	**88 [7.5]**	**154 [14.0]**	**586 [23.6]**			
Advanced Level										
25 Intro to Proofs	7	10	12 [1.3]	6	3	4	12 [1.3]			
26 Mod Alg I & II	13	11	11 [1.1]	4	2	5	11 [1.1]			
27 Nmbr Theory	2	4	3 [0.5]	1	1	1	3 [0.5]			
28 Combinatorics	2	3	3 [0.5]	2	0	1	3 [0.5]			

Note: 0 means less than 500 enrollments.

TABLE A.1, Cont. Fall term mathematics course enrollment (in 1000s) [with SE for 2005 totals].

Courses	1995	2000	2005	Fall 2005 Enrollments (1000s)						
				Mathematics Departments				Statistics Departments		
				Univ (PhD)	Univ (MA)	Coll (BA)	Subtotal Math Depts	Univ (PhD)	Univ (MA)	Subtotal Stat Depts
29 Actuarial Mathematics	1	1	2 [0.5]	1	0	1	2 [0.5]			
30 Logic/ Foundations	3	2	1 [0.4]	1	0	0	1 [0.4]			
31 Discrete Structures	3	5	3 [0.7]	1	1	1	3 [0.7]			
32 Hist of Mathematics	3	2	6 [1.0]	1	2	3	6 [1.0]			
33 Geometry	6	6	8 [1.0]	3	2	4	8 [1.0]			
34 Math for HS Teachers	5	7	8 [2.2]	2	4	2	8 [2.2]			
35 Adv Calc I, & II, Real Analysis I&II	11	10	15 [1.2]	7	2	6	15 [1.2]			
36 Adv Math for Engr & Physics	8	5	6 [1.1]	4	1	0	6 [1.1]			
37 Adv Linear Algebra	4	3	4 [0.7]	3	1	0	4 [0.7]			
38 Vector Analysis	3	2	2 [0.8]	1	0	1	2 [0.8]			
39 Adv Diff Eqns	3	2	1 [0.2]	1	0	0	1 [0.2]			
40 Partial Diff Eqns	1	2	3 [0.5]	2	0	1	3 [0.5]			
41 Numerical Analysis	6	5	5 [0.5]	3	1	0	5 [0.5]			
42 Appl Math (Math Modeling)	4	2	2 [0.3]	1	1	0	2 [0.3]			
43 Complex Variables	2	3	3 [0.5]	2	0	1	3 [0.5]			
44 Topology	1	2	1 [0.3]	1	0	1	1 [0.3]			
45 Math of Finance	na	na	1 [0.4]	1	0	0	1 [0.4]			

Note: 0 means less than 500 enrollments.

TABLE A.1, Cont. Fall term mathematics course enrollment (in 1000s) [with SE for 2005 totals].

				Fall 2005 Enrollment (in 1000s)						
				Mathematics Departments				Statistics Departments		
Courses	1995	2000	2005	Univ (PhD)	Univ (MA)	Coll (BA)	Subtotal Math Depts	Univ (PhD)	Univ (MA)	Subtotal Stat Depts
46 Cryptology	na	na	0 [0.2]	0	0	0	0 [0.2]			
47 Biomathematics	na	na	1 [0.2]	1	0	0	1 [0.2]			
48 Senior Sem/Ind Study in Math	3	3	3 [0.5]	1	1	2	3 [0.5]			
46 Other Adv Level Courses	5	10	5 [0.7]	2	1	2	5 [0.7]			
Operations Research										
58 Intro Oper Res	1	1	1 [0.2]	0	0	0	1 [0.2]			
59 Int to LinearProgramming	1	1	1 [0.4]	1	0	0	1 [0.4]			
60 Other Oper Research	0	0	0 [0.2]	0	0	0	0 [0.2]			
Subtotal Advanced Math	**96**	**102**	**112 [6.2]**	**52**	**24**	**36**	**112 [6.2]**			
Mathematics Total	**1471**	**1614**	**1606 [45.3]**	**719 [25.8]**	**362 [18.1]**	**525 [32.5]**	**1606 [45.3]**			

Note: 0 means less than 500 enrollments.

TABLE A.2 Enrollment (in 1000s) in statistics courses in fall 1995, 2000, and 2005 in mathematics and statistics departments [with SE for totals]. Roundoff may cause marginal totals to appear incorrect.

				Fall 2005 Enrollment (in 1000s)						
				Mathematics Departments				Statistics Departments		
Statistics Courses	1995	2000	Total 2005	Univ (PhD)	Univ (MA)	Coll (BA)	Subtotal Math Depts	Univ (PhD)	Univ (MA)	Subtotal Stat Depts
Lower Level Statistics										
1 Elem Statistics. (no Calc prereq)	132	155	167 [14.3]	23	25	76	124 [13.8]	31	11	43 [3.7]
2 Prob.&Statistics (no Calc. prereq)	26	17	21 [5.5]	4	7	7	19 [5.5]	2	1	3 [0.6]
3 Other elem. level statistics	6	17	13 [2.5]	2	0	2	5 [1.5]	8	1	9 [2.0]
Subtotal, Elem Level Statistics	**164**	**190**	**202 [14.9]**	**30**	**32**	**86**	**148 [14.2]**	**42**	**13**	**54 [4.3]**
Upper Level Statistics										
4.Math Statistics (Calc Prereq)	16	18	12 [2.1]	2	4	3	9 [2.0]	3	0	3 [0.3]
5 Probability (Calc Prereq)	10	17	10 [1.0]	4	1	2	7 [0.9]	2	0	3 [0.4]
Prob & Statistics Combined	na	na	16 [2.0]	5	2	3	10 [1.9]	5	0	6 [0.7]
6 Stochastic Processes	0	1	1 [0.2]	0	0	0	0 [0.1]	0	0	1 [0.2]
7 Applied Statistical Analysis	9	6	7 [1.2]	1	1	0	3 [0.8]	3	1	4 [1.0]
8 Design & Anal of Experiments	1	2	1 [0.2]	0	0	0	0 [0.2]	1	0	1 [0.2]
9 Regressn & Correlation	1	2	3 [0.5]	0	0	0	1 [0.3]	2	0	2 [0.4]
10 Biostatistics	(na)	2	2 [0.6]	0	0	0	1 [0.5]	1	0	1 [0.4]
11 Nonparametric Statistics	(na)	1	0 [0.1]	0	0	0	0 [0.1]	0	0	0 [0.04]

Note: 0 means less than 500 enrollments.

TABLE A.2, Cont. Fall term statistics course enrollment (in 1000s) [with SE for 2005 totals].

				Fall 2005 Enrollment (in 1000s)						
				Mathematics Departments				Statistics Departments		
Statistics Courses	1995	2000	Total 2005	Univ (PhD)	Univ (MA)	Coll (BA)	Subtotal Math Depts	Univ (PhD)	Univ (MA)	Subtotal Stat Depts
12 Categorical Data Analysis	(na)	0	0 [0.1]	0	0	0	0 [0.1]	0	0	0 [0.1]
13 Survey Design & Analysis	(na)	0	1 [0.2]	0	0	0	0 [0.2]	0	0	0 [0.06]
14 Stat Software & Computing	(na)	1	1 [0.2]	0	0	0	0 [0.1]	0	0	1 [0.1]
15 Data Management	(na)	0	0 [0.0]	0	0	0	0 [0.0]	0	0	0 [0.0]
16 Senior Sem/ Indep Stdy in Statistics	0	0	0 [0.1]	0	0	0	0 [0.02]	0	0	0 [0.04]
17 Other Upper Level Statistics	7	5	3 [0.5]	1	0	0	1 [0.3]	2	0	2 [0.5]
Subtotal Upper Level Statistics	**44**	**45**	**57 [3.7]**	**15 [1.7]**	**9 [2.0]**	**10 [1.7]**	**34 [3.1]**	**20 [2.0]**	**3 [0.5]**	**23 [2.0]**
Statistics Total	**208**	**235**	**259 [15.4]**	**44 [4.4]**	**42 [6.7]**	**96 [12.2]**	**182 [14.6]**	**62 [4.2]**	**16 [2.8]**	**78 [5.0]**

Note: 0 means less than 500 enrollments.

TABLE A.3 Enrollment (in 1000s) in computer science courses in fall 1995, 2000, and 2005 [with SE for 2005 totals]. Roundoff may cause marginal totals to appear incorrect.

				Fall 2005 Enrollments (in 1000s)				
				Mathemtics Departments				
CS Courses	1995	2000	2005 Total	Univ (PhD)	Univ (MA)	Coll (BA)	Subtotal Math Depts	Subtotal Stat Depts
General Education CS Courses								
Computers & Society	14	4	5 [1.8]	0	2	2	4 [1.6]	1 [0.9]
Intro. to Software Pkgs	18	25	12 [4.1]	0	7	5	12 [4.1]	0 [0.1]
Other CS general ed courses	6	6	11 [4.8]	0	0	11	11 [4.8]	0 [0.0]
Subtotal general education courses	**38**	**35**	**28 [6.2]**	**1**	**8**	**17**	**26 [6.2]**	**1 [0.9]**
Lower-level CS Courses								
Computer Programming I *	17	23	10 [1.8]	2	1	7	10 [1.8]	--
Computer Programming II *	5	6	2 [0.6]	0	0	2	2 [0.6]	--
Discrete Structures for CS	2	4	1 [0.5]	0	0	1	2 [0.5]	--
Other Lower-level CS courses	13	22	4 [1.1]	0	1	2	4 [1.1]	--
Subtotal lower-level CS	**37**	**55**	**18 [2.9]**	**2**	**3**	**12**	**17 [2.9]**	**0 [0.1]**
All intermediate-level courses	**13**	**18**	**8 [1.4]**	**1**	**1**	**6**	**8 [1.4]**	**0 [0.2]**
All upper-level CS courses	**12**	**17**	**5 [1.3]**	**1 [0.5]**	**1 [0.3]**	**3 [1.1]**	**5 [1.3]**	**0 [0.0]**
Total Computer Science	**100**	**123**	**59 [9.9]**	**5 [2.0]**	**13 [4.2]**	**39 [8.7]**	**57 [9.8]**	**2 [1.1]**

* For 1995 and 2000, this course category was described in the 1991 ACM/IEEE CS curriculum report. For 2005, these courses were described in the 2001 ACM/IEEE report "Model Curricula for Computing".