Mapping Course Outcomes to ABET Student Outcomes

Course No.	Course Name	Yr. Sem.	SO 1	SO 2	SO 3	SO 4	SO 5	SO 6
COMS 101	Orientation	1.1				X		
COMS 127	Introduction to Computer Programming		X	X				
COMS 203	Careers in Computer Science	2.1				X		
COMS 227	Object-oriented Programming	1.1	X	X				
COMS 228	Introduction to Data Structures	1.2	X	X				
COMS 230	Discrete Computational Structures	2.1	X					X
COMS 252	Linux Operating System Essentials	2.1		X				
COMS 295	Programming-based Problem Solving Practices	Variable		X				
COMS 309	Software Development Practices	2.1	X	X	X	X	X	
COMS 311	Introduction to the Design and Analysis of Algorithms	2.2	X					X
COMS 319	Construction of User Interfaces	3 (var)	X	X				X
COMS 321	Introduction to Computer Architecture and Machine-Level Programming	2.2	X	X				X
COMS 326	C for Programmers	Variable		X				X
COMS 327	Advanced Programming Techniques	3.1	X	X				
COMS 331	Theory of Computing	3.1	X					X
COMS 336	Introduction to Computer Graphics	3.1	X	X				X
COMS 342	Principles of Programming Languages	4.1		X	X			X
COMS 352	Introduction to Operating Systems	4.2		X				X
COMS 362	Object-oriented Analysis and Design	3 (var)		X	X		X	X
COMS 363	Introduction to Database Management Systems	3 (var)						X

Course No.	Course Name	Yr. Sem.	SO 1	SO 2	SO 3	SO 4	SO 5	SO 6
Phil 343	Philosophy of Technology	3.2				X		
COMS 402	Computer Science Senior Project	4.2	X	X	X		X	X
COMS 407	Applied Formal Methods	4 (var)						X
COMS 409	Software Requirements Engineering	4.1	X		X		X	X
COMS 410	Distributed Development of Software	4.1	X	X			X	X
COMS 412	Formal Methods in Software Engineering	4.1	X					X
COMS 413	Foundations and Applications of Program Analysis	4.2	X					X
COMS 414	Gerontechnology in Smart Home Environments	4.2		X	X			
COMS 415	Software System Safety	4.2		X				X
COMS 417	Software Testing	4.2		X	X		X	X
COMS 418	Introduction to Computational Geometry	4.2		X				X
COMS 421	Logic for Mathematics and Computer Science	4.2						X
COMS 424	Introduction to High Performance Computing	4.1		X	X		X	X
COMS 425	High Performance Computing for Scientific and Engineering Applications	4.2		X	X		X	X
COMS 430	Concurrent Programming in Practice	4 (var)	X	X	X			X
COMS 433	Molecular Programing of Nanoscale Devices and Processes	4 (var)		X				X
COMS 435	Algorithms for Large Data Sets: Theory and Practice	4.1	X					X
COMS 437	Computer Game and Media Programming	4.2	X		X			X
COMS 440	Principles and Practice of Compiling	4.2		X	X			X
COMS 441	Programming Languages	4 (var)	X					X
COMS 444	Bioinformatic Analysis	4.1	X					X
COMS 453	Privacy Preserving Algorithms and Data Security		X					X
COMS 454	Distributed Systems	4.1		X				X

Course No.	Course Name	Yr. Sem.	SO 1	SO 2	SO 3	SO 4	SO 5	SO 6
COMS 455	Simulation: Algorithms and Implementation	4.2	X	X	X			
COMS 461	Principles and Internals of Database Systems	4 (var)			X		X	X
COMS 472	Principles of Artificial Intelligence	4.1	X	X				X
COMS 474	Introduction to Machine Learning	4.2	X	X				X
COMS 476	Motion Strategy Algorithms and Applications	4.2		X				
COMS 477	Problem Solving Techniques for Applied Computer Science	4.1	X	X				X
COMS 486	Fundamental Concepts in Computer Networking	4 (var)		X	X		X	X
COMS 487	Network Programming, Applications, and Research Issues	4.2		X			X	X