Computer Science (CS) Graduate NEW and OLD courses: An Equivalence Table

MODIFIED COURSES		
NEW Course Title and Number	**Equivalent OLD Course Number or new one**	**Prerequisites for the NEW course**
Advanced Programming CS 502	NEW course	Graduate standing and at least two semesters of programming experience
Algorithms CS 514	CS 514	C or better in CS 210; one semester in Statistics
Advanced Computer Architecture CS 520	CS 550	CS 220 or equivalent
Web Development Technologies CS 531	CS 500	CS 102 or equivalent
Advanced Java Computing CS 532	CS 530	CS 531 or equivalent
Artificial Intelligence CS 561	CS 521	CS 210 or equivalent
Intelligent Systems and Applications CS 562	CS 522	CS 210 or equivalent; one course in Statistics
Knowledge Discovery and Data Mining CS 563	NEW course	CS 210 or equivalent; one course in Statistics
Advanced Topics in Databases CS 570	CS 505	CS 370 or equivalent
Fundamentals of Software Engineering CS 590	CS 615	CS 390 or equivalent
Software Project Management CS 591	CIS 606	CS 390 or equivalent
Requirements Engineering CS 592	CIS 608	CS 102 or equivalent
Software Eng. of Web-Based Applications CS 593	NEW course	CS 390 or equivalent
Automata, Computation and Complexity CS 612	CS 682	CS 502 or equivalent
Operating Systems Design CS 625	CS 519	CS 321 or equivalent
Data Communications and Networks CS 635	CS 643	CS 330 or equivalent
Database Management Systems CS 670	CS 609	CS 102 or CIS 607 or equivalent
Advanced Topics in Software Engineering CS 690	CS 616	CS 590 or CS 591
COURSES with NO MODIFICATIONS (the only changes are in prerequisites)		
Numerical Analysis I CS 510	The same course #	CS 101; MTH 207; MTH 223
Numerical Analysis II CS 511	The same course #	No changes
Programming Languages CS 516	The same course #	CS 210 or CS 310
Programming Languages Translation CS 518	The same course #	C or better in CS 210; co-requisite CS 516
Introduction to Computer Graphics CS 535	The same course #	CS 210; MTH 207; MTH 223
Parallel Algorithms CS 614	The same course #	No changes
Programming Methodology CS 503	The same course #	Grade of C or better in both MTH 120 and CS 102