

Part II. Description of Curriculum Change

1. Syllabus of Record

I. Catalog Description

~~COSC 465 Distributed Processing and Web Services~~ _____ 3c-01-3ch

Prerequisites: COSC 365 or COSC 310 and permission of instructor

~~Prerequisite: advanced study into architecture of Internet systems and the process of developing distributed computer applications~~

New Course Proposal - Computer Science Curriculum

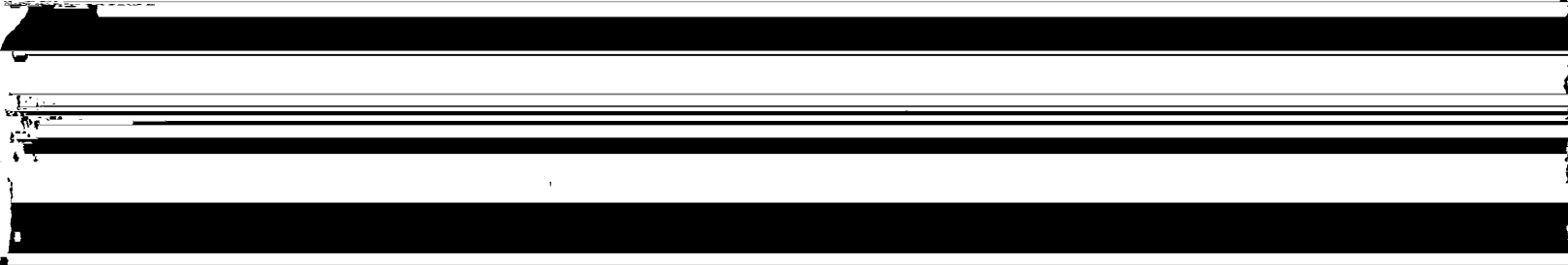
Topic: Definitions (DTD) and XML Schema, Use of namespaces, Introduction to XSL Transformations and XPath



Exercises in defining an XML schema, XML documents conforming to the Schema, and XSLT to transform documents into HTML for display.

4. Enterprise JavaBeans (or equivalent).

9 hrs



The final grade for the course will be determined as follows:

Exams

Mid term	100 points
Quizzes (4)	25 points each
Final	100 points

Assignments

Dynamic Web Application	50 points
XML Schema, Documents and XSTL	50 points

XML Programming	50 points
SOAP Application	50 points
Web Services Application	50 points

Notation: The following symbols are used throughout the document:

2. Course Analysis Questionnaire

A. Details of the Course

A1. This course an unner level elective that presents other aspects of Internet architecture and programming

New Course Proposal - Computer Science Curriculum

Group (OMG), and Organization for the Advancement of Structured Information Standards (OASIS out of the United Nations).

B. Interdisciplinary Implications

B1. This course will be taught by one instructor.

B2. Course content has minimal overlap with any courses of any college. Content has minimal overlap with

the community college curriculum. Content has minimal overlap with the content of the following courses:

CS 101, CS 102, CS 103, CS 104, CS 105, CS 106, CS 107, CS 108, CS 109, CS 110, CS 111, CS 112, CS 113, CS 114, CS 115, CS 116, CS 117, CS 118, CS 119, CS 120, CS 121, CS 122, CS 123, CS 124, CS 125, CS 126, CS 127, CS 128, CS 129, CS 130, CS 131, CS 132, CS 133, CS 134, CS 135, CS 136, CS 137, CS 138, CS 139, CS 140, CS 141, CS 142, CS 143, CS 144, CS 145, CS 146, CS 147, CS 148, CS 149, CS 150, CS 151, CS 152, CS 153, CS 154, CS 155, CS 156, CS 157, CS 158, CS 159, CS 160, CS 161, CS 162, CS 163, CS 164, CS 165, CS 166, CS 167, CS 168, CS 169, CS 170, CS 171, CS 172, CS 173, CS 174, CS 175, CS 176, CS 177, CS 178, CS 179, CS 180, CS 181, CS 182, CS 183, CS 184, CS 185, CS 186, CS 187, CS 188, CS 189, CS 190, CS 191, CS 192, CS 193, CS 194, CS 195, CS 196, CS 197, CS 198, CS 199, CS 200, CS 201, CS 202, CS 203, CS 204, CS 205, CS 206, CS 207, CS 208, CS 209, CS 210, CS 211, CS 212, CS 213, CS 214, CS 215, CS 216, CS 217, CS 218, CS 219, CS 220, CS 221, CS 222, CS 223, CS 224, CS 225, CS 226, CS 227, CS 228, CS 229, CS 230, CS 231, CS 232, CS 233, CS 234, CS 235, CS 236, CS 237, CS 238, CS 239, CS 240, CS 241, CS 242, CS 243, CS 244, CS 245, CS 246, CS 247, CS 248, CS 249, CS 250, CS 251, CS 252, CS 253, CS 254, CS 255, CS 256, CS 257, CS 258, CS 259, CS 260, CS 261, CS 262, CS 263, CS 264, CS 265, CS 266, CS 267, CS 268, CS 269, CS 270, CS 271, CS 272, CS 273, CS 274, CS 275, CS 276, CS 277, CS 278, CS 279, CS 280, CS 281, CS 282, CS 283, CS 284, CS 285, CS 286, CS 287, CS 288, CS 289, CS 290, CS 291, CS 292, CS 293, CS 294, CS 295, CS 296, CS 297, CS 298, CS 299, CS 300, CS 301, CS 302, CS 303, CS 304, CS 305, CS 306, CS 307, CS 308, CS 309, CS 310, CS 311, CS 312, CS 313, CS 314, CS 315, CS 316, CS 317, CS 318, CS 319, CS 320, CS 321, CS 322, CS 323, CS 324, CS 325, CS 326, CS 327, CS 328, CS 329, CS 330, CS 331, CS 332, CS 333, CS 334, CS 335, CS 336, CS 337, CS 338, CS 339, CS 340, CS 341, CS 342, CS 343, CS 344, CS 345, CS 346, CS 347, CS 348, CS 349, CS 350, 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CS 601, CS 602, CS 603, CS 604, CS 605, CS 606, CS 607, CS 608, CS 609, CS 610, CS 611, CS 612, CS 613, CS 614, CS 615, CS 616, CS 617, CS 618, CS 619, CS 620, CS 621, CS 622, CS 623, CS 624, CS 625, CS 626, CS 627, CS 628, CS 629, CS 630, CS 631, CS 632, CS 633, CS 634, CS 635, CS 636, CS 637, CS 638, CS 639, CS 640, CS 641, CS 642, CS 643, CS 644, CS 645, CS 646, CS 647, CS 648, CS 649, CS 650, CS 651, CS 652, CS 653, CS 654, CS 655, CS 656, CS 657, CS 658, CS 659, CS 660, CS 661, CS 662, CS 663, CS 664, CS 665, CS 666, CS 667, CS 668, CS 669, CS 670, CS 671, CS 672, CS 673, CS 674, CS 675, CS 676, CS 677, CS 678, CS 679, CS 680, CS 681, CS 682, CS 683, CS 684, CS 685, CS 686, CS 687, CS 688, CS 689, CS 690, CS 691, CS 692, CS 693, CS 694, CS 695, CS 696, CS 697, CS 698, CS 699, CS 700, CS 701, CS 702, CS 703, CS 704, CS 705, CS 706, CS 707, CS 708, CS 709, CS 710, CS 711, CS 712, CS 713, CS 714, CS 715, CS 716, CS 717, CS 718, CS 719, CS 720, CS 721, CS 722, CS 723, CS 724, CS 725, CS 726, CS 727, CS 728, CS 729, CS 730, CS 731, CS 732, CS 733, CS 734, CS 735, CS 736, CS 737, CS 738, CS 739, CS 740, CS 741, CS 742, CS 743, CS 744, CS 745, CS 746, CS 747, CS 748, CS 749, CS 750, CS 751, CS 752, CS 753, CS 754, CS 755, CS 756, CS 757, CS 758, CS 759, CS 760, CS 761, CS 762, CS 763, CS 764, CS 765, CS 766, CS 767, CS 768, CS 769, CS 770, CS 771, CS 772, CS 773, CS 774, CS 775, CS 776, CS 777, CS 778, CS 779, CS 780, CS 781, CS 782, CS 783, CS 784, CS 785, CS 786, CS 787, CS 788, CS 789, CS 790, CS 791, CS 792, CS 793, CS 794, CS 795, CS 796, CS 797, CS 798, CS 799, CS 800, CS 801, CS 802, CS 803, CS 804, CS 805, CS 806, CS 807, CS 808, CS 809, CS 810, CS 811, CS 812, CS 813, CS 814, CS 815, CS 816, CS 817, CS 818, CS 819, CS 820, CS 821, CS 822, CS 823, CS 824, CS 825, CS 826, CS 827, CS 828, CS 829, CS 830, CS 831, CS 832, CS 833, CS 834, CS 835, CS 836, CS 837, CS 838, CS 839, CS 840, CS 841, CS 842, CS 843, CS 844, CS 845, CS 846, CS 847, CS 848, CS 849, CS 850, CS 851, CS 852, CS 853, CS 854, CS 855, CS 856, CS 857, CS 858, CS 859, CS 860, CS 861, CS 862, CS 863, CS 864, CS 865, CS 866, CS 867, CS 868, CS 869, CS 870, CS 871, CS 872, CS 873, CS 874, CS 875, CS 876, CS 877, CS 878, CS 879, CS 880, CS 881, CS 882, CS 883, CS 884, CS 885, CS 886, CS 887, CS 888, CS 889, CS 890, CS 891, CS 892, CS 893, CS 894, CS 895, CS 896, CS 897, CS 898, CS 899, CS 900, CS 901, CS 902, CS 903, CS 904, CS 905, CS 906, CS 907, CS 908, CS 909, CS 910, CS 911, CS 912, CS 913, CS 914, CS 915, CS 916, CS 917, CS 918, CS 919, CS 920, CS 921, CS 922, CS 923, CS 924, CS 925, CS 926, CS 927, CS 928, CS 929, CS 930, CS 931, CS 932, CS 933, CS 934, CS 935, CS 936, CS 937, CS 938, CS 939, CS 940, CS 941, CS 942, CS 943, CS 944, CS 945, CS 946, CS 947, CS 948, CS 949, CS 950, CS 951, CS 952, CS 953, CS 954, CS 955, CS 956, CS 957, CS 958, CS 959, CS 960, CS 961, CS 962, CS 963, CS 964, CS 965, CS 966, CS 967, CS 968, CS 969, CS 970, CS 971, CS 972, CS 973, CS 974, CS 975, CS 976, CS 977, CS 978, CS 979, CS 980, CS 981, CS 982, CS 983, CS 984, CS 985, CS 986, CS 987, CS 988, CS 989, CS 990, CS 991, CS 992, CS 993, CS 994, CS 995, CS 996, CS 997, CS 998, CS 999, CS 1000.

the MBA program who possess programming skill and obtain permission of the instructor.

B3. This course is not cross-listed.

C. Implementation

C1. No new faculty are required to teach this course. Current faculty will initially offer this course and it will be scheduled on a rotating upper level elective basis whose frequency will be based on student demand.

The content of this course is becoming more relevant to the demands of industry than the content of