



Computer Science Special Classes Spring, 2010

(See http://www.cs.sjsu.edu/class_schedule/Schedule.html for current information.)

CS 40, Introduction to Computers. A gentle introduction to computing and computers for those with little or no programming experience. Instructor: Jon Pearce. (CS 040 INTRO TO COMPUTERS 01 26517 TR 1330-1445 SCI 311 J PEARCE)

CS 122, Advanced Programming with Perl. Instructor: Natasha Khuri. (CS 122 ADV PROG WITH PERL 01 22202 TR 1500-1615 MH 225 N KHURI)

CS 123B Bioinformatics II. This practical course, cross-listed with biology, continues to cover the computational methods used for searching, classifying, analyzing, and modeling protein sequences. The course also continues to cover tools for analyzing DNA and RNA sequences. More advanced topics, such as genetic algorithms and simulated annealing which can be used to address folding problems, are covered. Instructor: Sami Khuri. Syllabus/Green Sheet: http://www.cs.sjsu.edu/faculty/khuri/cs123b_greenS10.html. (CS 123B BIOINFORMATICS II 01 27198 TR 0900-1015 DH 450 S KHURI)

CS 134, Computer Game Design and Programming. This class introduces students to the methods and issues involved in Computer Game Design and Programming. Game Development methods and techniques such as basic Computer Graphics, Artificial Intelligence and Physics will be covered. Students will work on substantial individual and group projects. In previous classes, student group projects have created games such as networked first person shooter games, arcade games, and adventure games. Prerequisites: CS 130 and CS 151. Instructor: Soon Tee Teoh. Course web page: not yet available, but see the previous course page at http://www.cs.sjsu.edu/~teoh/teaching/previous/cs134_sp09/index.html. (CS 134 COMPUTER GAME DSGN 01 27201 MW 0900-1015 MH 422 S TEOH)

CS 159, Introduction to Parallel Processing. Returning after an absence of two years, this course surveys the major parallel architectures, now updated to include multicore architectures. Prerequisite: CS 146. Instructor: Robert Chun. Syllabus/Green Sheet: *to appear*. (CS 159 PARALLEL PROC 01 27219 MW 1900-2015 MH 223 R CHUN)

CS 185C, Section 1: Fundamentals of IBM DB2 for z/OS. Introduction to managing a DB2 system running on an enterprise z/OS mainframe. Overview of DB2, DB2 Anatomy, Application Development, System Management, and Performance Topics are covered in this course. This is a repeat of a course first offered in Fall, 2008, the first course in a projected sequence of courses for a planned DB2 certificate program. Prerequisite: CS 146. Instructor: Chris Pollett. Syllabus/Green Sheet: *to appear*. (CS 185C ADV PRAC COMP TOPICS 01 23339 TR 1730-1845 MH 422 C POLLETT)

CS 185C, Section 2: Application Development with IBM DB2 for z/OS. Key features in DB2 for z/OS to support Application Development will be described. To design, develop and migrate application programs that access DB2 for z/OS, issues in environment, preparation, execution, physical design, performance, security, and authorization will be discussed. Advanced query capabilities provided in DB2 for z/OS will also be incorporated. This is another course in the projected sequence of courses for a planned DB2 certificate program. Prerequisite: CS 146. Instructor: Frank Butt. Syllabus/Green Sheet: *to appear*. (CS 185C ADV PRAC COMP TOPICS 02 25382 TR 1900-2015 MH 422 F BUTT)

CS 200W: Graduate Technical Writing. A new graduate technical writing workshop to develop advanced communication skills that will meet the professional needs of computer scientists, along with research methodologies and proper documentation for the master's thesis project. (This course does NOT satisfy the undergraduate GE Area Z requirement.) Prerequisite: Graduate standing (no WST required). Instructor: Debra Caires. Syllabus/Green Sheet: <http://www.cs.sjsu.edu/~caires/docs/FinalCS200WSyllabus.pdf>. (CS 200W GRAD TECH WRITING 01 25383 W 1815-2100 SCI 311 D CAIRES)

CS 216: Geometric Modeling. This course is being offered again after an absence of a number of years. Prerequisite: CS 116A. Instructor: Chris Pollett. Syllabus/Green Sheet: *to appear*. (CS 216 GEOMETRIC MODELING 01 27315 TR 1600-1715 MH 422 C POLLETT)