CMPS 130
Computational Models
Fall 2013

Description:
Various representations for regular languages, context-free grammars, normal forms, parsing, pushdown automata, pumping lemmas, Turing machines, and the Church-Turing thesis.

Prerequisite:
CMPS 101

Time and Place:  MWF 9:30-10:40 am  Porter 144
Class Webpage:  http://ic.ucsc.edu/~ptantalo/cmps130/Fall13/

Instructor:  Patrick Tantalo  http://users.soe.ucsc.edu/~ptantalo/
Email:  ptantalo@soe.ucsc.edu
Office:  E2 257
Office Hours:  TWTh 12:00-2:00pm, or by appointment
Phone:  831-459-3898

Teaching Assistant:
Thomas Schmitz (tschmitz@ucsc.edu)


Coursework and Evaluation:
Homework: consists of selected exercises at the end of each chapter.
Midterm Exam 1: will be held Wednesday October 16
Midterm Exam 2: will be held Wednesday November 13
Final Exam: will be held Monday December 9, 12:00-3:00 pm
Please make arrangements to be available at the above times.

Coursework will be weighted as follows:
Homework 20%
Midterm Exam 1 25%
Midterm Exam 2 25%
Final Exam 30%

The grading scale for the class will be approximately: A+: 97%-100%, A: 93%-96%, A-: 90%-92%, B+: 87%-89%, B: 83%-86%, B-: 80%-82%, C+: 76%-79%, C: 70%-75%, D: 60%-69%, F: 0%-59%. Letter grade boundaries may be lowered at my discretion in order to eliminate some borderline cases.

Accommodations for Students with Disabilities:
If you qualify for classroom accommodations because of a disability, please submit your Accommodation Authorization Letter from the Disability Resource Center (DRC) to me during my office hours or by appointment, preferably within the first week of the Summer Session. Contact DRC by phone at 831-459-2089 or drc@ucsc.edu for more information.
**Academic Honesty:**
The Baskin School of Engineering has a zero tolerance policy for any incident of academic dishonesty. If cheating occurs, consequences may range from getting zero on a particular assignment to failing the course. In addition every case of academic dishonesty is referred to the students’ college Provost, who sets in motion an official disciplinary process. Cheating in any part of the course may lead to failing the course, suspension or dismissal from the Baskin School of Engineering, or from UCSC.

What is cheating? In short, it is presenting someone else’s work as your own. Examples would include copying another student's written homework assignment, or allowing your own work to be copied. You may discuss homework problems with fellow students, but your collaboration must be at the level of *ideas* only. Legitimate collaboration ends when you "lend", "borrow", or "trade" *written solutions* to problems, or in *any way* share in the act of *writing* your answers. If you do collaborate (legitimately) or receive help from anyone, you must credit them by placing their name(s) at the top of your paper. Please go to http://www.ucsc.edu/academics/academic_integrity/ to see the full text of the University's policy on Academic Integrity.