

CSCI 550: Theory of Computing

Abbreviated Syllabus for Spring Semester 2009

Visit <http://www.ecst.csuchico.edu/~juliano/csci550> for additional detail.

Prerequisites

- MATH 317, *Discrete Mathematical Structures*
- Senior-level standing *highly* recommended

Description

3 units. An introduction to formal languages, grammars, and automata theory with unsolvable problems. *Formerly CSCI 256.*

Class #	Section	Act	Days	Time	Room	Instructor(s)
3584	CSCI 550-01	DIS	TR	200-315pm	LANG 104	Dr. J Juliano@csuChico.edu

Instructor Information

Dr. Juliano (a.k.a. Dr. J)
<http://www.ecst.csuchico.edu/~juliano>

Office Hours: OCNL 222 (*days/times T.B.A. online*)
Tel 530 898-4619 / 6442 (dept office)
Fax 530 898-5995
Appointments and walk-ins welcome.

- Students will also be using *JFLAP*, the Java Formal Languages & Automata Package, developed by [Dr. Rodger](#) and her students at [Duke University](#).
- Students are expected to familiarize themselves with Dr. J's general policies and expectations as detailed online at [/~juliano/Teaching/Policies.html](http://www.ecst.csuchico.edu/~juliano/Teaching/Policies.html)

Required Textbook

Introduction to Automata Theory, Languages, and Computation, 3/e
J.E. Hopcroft, R. Motwani, J.D. Ullman, 2007.
Addison Wesley, Boston, Massachusetts.
ISBN 0-321-46225-4



Additional Requirements

- We will be using *Clickers* (Student Response Systems) in this class. Details of *Clicker* use will be covered during the first week of classes.
- Students are expected to open and maintain a *Chico State Connection* (CSC) Portal (see <http://portal.csuchico.edu>) account in order to access up-to-date *WebCT* tools that include an on-line calendar of events, current scores, discussion board, etc.



Grade Evaluation

Theoretical Component (50%)	
25%	Midterm 1 , Thu, February 26, <i>class time</i>
25%	Midterm 2 , Thu, April 9, <i>class time</i>
50%	Final Exam , Thu, May 21, 12:00–1:50 pm
Practical Component (50%)	
85%	In-class <i>Clicker</i> questions and/or quizzes, written homework and <i>JFLAP</i> assignments
15%	(Mandatory) Class participation: presentation and discussion of homework solutions

See the on-line syllabus for details of final grade calculation.

Additional Information

<http://www.ecst.csuchico.edu/~juliano/csci550/>
<http://www.ecst.csuchico.edu/~juliano/csci550/Clicker>
<http://www.ecst.csuchico.edu/~juliano/Computing/>
<http://vista.csuchico.edu/>