

CSCI 550: Theory of Computing

Abbreviated Syllabus for Spring Semester 2008

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

Prerequisites

- MATH 317, *Discrete Mathematical Structures*
- Junior-level standing 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)
6455	CSCI 550-01	DIS	MWF	1200-1250pm	OCNL 123	Dr. J juliano@csuchico.edu

Instructor Information

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

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

3. Students will also be using *JFLAP*, the **Java Formal Languages & Automata Package**, developed by Dr. Rodger and her students at Duke University.
4. 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

1. We will be using *Clickers* (Student Response Systems) in this class. Details of *Clicker* use will be covered during the first week of classes.
2. 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%)	
40%	Midterm Exam , Fri, Mar 14, <i>class time</i>
60%	Final Exam , Wed, May 21, 12:00–1:50 pm
Practical Component (50%)	
90%	In-class quizzes, written homework and <i>JFLAP</i> assignments
10%	(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/>