

## CSCI 550(256): *Theory of Computing*

### Abbreviated Syllabus for Fall Semester 2005

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

#### Prerequisites

- MATH 317(120), *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	Instructors
2090	CSCI 550-01	DIS	TR	0930-1045am	OCNL 254	Dr. J Juliano@csuChico.edu

#### Instructor Information

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

Office Hours: Wed, 9-11am and Thurs, 2-4pm  
 OCNL 222  
 Tel 530 898-4619 / 6442 (dept office)  
 Fax 530 898-5995  
*Appointments and walk-ins welcome.*

#### Required Textbook

*Introduction to Automata Theory, Languages, and Computation, 2/e*  
 J.E. Hopcroft, R. Motwani, and J.D. Ullman, 2001.  
 Addison Wesley, Boston, Massachusetts.  
 ISBN 0-201-44124-1

#### Additional Requirements

1. 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.
2. Students will also be using *JFLAP*, the **Java Formal Languages & Automata Package**, developed by Dr. Rodger and her students at Duke University.

#### Grade Evaluation

Theoretical Component (50%)	
40%	Midterm, Tue, October 11, 9:30-10:45 am
60%	Finals, Tue, December 13, 12:00-1:50 pm
Practical Component (50%)	
100%	Any in-class quizzes, written homework and laboratory ( <i>JFLAP</i> ) assignments

*Also 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/Computing/>  
<http://portal.csuchico.edu/>