

# 100-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	正規語言	Serial No. / ID	0826 / IF14022
Dept.	資訊工程學系	School System / Class	大學日間部4年3班
Lecturer	洪春男	Full or Part-time	專任
Required / Credit	Optinal / 3	Graduate Class	Yes
Time / Place	(一)234 / H607	Language	Chinese

Introduction
<ol style="list-style-type: none"><li>1.To familiarize students with the foundations and principles of computer science</li><li>2.To teach material that is useful in subsequence courses</li><li>3.To strengthen students ' ability to carry out formal and rigorous mathematical arguments</li></ol>

Outline
<ol style="list-style-type: none"><li>1.Introduction to the theory of computation</li><li>2. Finite automata, regular languages, and regular grammer</li><li>3. Context-free languages and pushdown automata</li><li>4. Turing machines</li></ol>

Prerequisite
high-level programming languages, basics of data structure and algorithms, discrete mathematics