98-1 Preliminary Syllabus, Da-Yeh Univ

Information

Title		Serial No. / ID	1945 / EDR 5078
Dept.		School System / Class	1　1
Lecturer		Full or Part-time	
Required / Credit	Optinal / 3	Graduate Class	NO
Time / Place	(　)ABC / H341	Language	Chinese

Introduction

Let students understand the basic properties of speech, be able to use mathematical model to analyze speech. Understanding the principles of speech recognition systems and architecture, and using software tools to implement a simple speech recognition system

Outline

principle of the acoustics theory

Classification and characteristics of voice

Speech signal representation

Vector quantization

pattern classification

Hidden Markov Model

Language model

Acoustic Modeling

Robust Speech Recognition

Prerequisite

Probability, linear algebra, digital signal processing, Introduction to Programming