

99-2 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	語音辨識	Serial No. / ID	0570 / IF13076
Dept.	資訊工程學系	School System / Class	大學日間部3年3班
Lecturer	黃宏彥	Full or Part-time	兼任
Required / Credit	Optinal / 3	Graduate Class	No
Time / Place	(四)567 / H344	Language	Chinese

Introduction
<p>This course introduces many concepts and algorithms related to speech recognition, and examine some state-of-the-art systems.</p> <p>The topics include:</p> <ul style="list-style-type: none">OverviewPhonetics and Phonetic UnitsFeature Extraction Mel-Frequency Cepstral Coefficients (MFCC) Pitch contourAcoustic Modeling Hidden Markov Model (HMM) Artificial Neural Network (ANN)Language ModelingSearch AlgorithmsState-of-the-Art Speech Recognition System

Outline
<ol style="list-style-type: none">1. Introduction2. Fundamentals of Speech Recognition3. Acoustic Modeling4. Language Modeling5. Speech Signals and Front-end Processing6. Search Algorithms for Speech Recognition7. More about Hidden Markov Models

Prerequisite
none.