

Course Content

Course Title (English)	Modern Spectral Analysis
Course Title (Chinese)	近代頻譜分析
Credit	3
Instructor	Prof. Jenho Tsao 曹建和
Outline	1 INTRODUCTION 2 REVIEW OF SIGNAL AND SYSTEM 3 CORRELATION ANALYSIS 4 SPECTRAL ANALYSIS USING FOURIER TRANSFORM 5 FILTERING FOR ARTIFACTS REMOVAL 6 STOCHASTIC MODELING AND PSD ESTIMATION 7 SIGNAL DETECTION
Goal	UNDERSTAND SIGNAL ANALYSIS TECHNIQUES AND THEIR APPLICATIONS. STATISTICAL SIGNAL PROCESSING TECHNIQUES WILL BE EMPHASIZED. APPLICATIONS BIOMEDICAL SIGNAL ANALYSIS WILL BE EMPHASIZED.
English Teaching	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Teaching Material	<input checked="" type="checkbox"/> English <input type="checkbox"/> Chinese