

Course Content

Course Title (English)	Multirate Signal Processing, filter Bank and Wavelet
Course Title (Chinese)	多速率信號處理
Credit	3
Instructor	Prof. See-May Phoong 馮世邁 教授
Outline	<ol style="list-style-type: none">1. Basics of digital communications2. FIR equalizations3. Multirate Basics4. Communication systems in multirate building blocks5. OFDM and other DFT based communication systems6. Precoded OFDM systems7. Optimization of transmitter and receiver8. Windowed OFDM systems9. Other topics (Blind channel identification, PAPR, etc)
Goal	A multirate approach to OFDM and DMT systems
English Teaching	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Teaching Material	<input checked="" type="checkbox"/> English <input type="checkbox"/> Chinese