

## Course Content

Course Title (English)	Special Topics on Microwaves Integrated Circuits
Course Title (Chinese)	微波積體電路專題
Credit	3
Instructor	Prof. Kun-You Lin 林坤佑 教授
Outline	<ol style="list-style-type: none"><li>1. Modeling and analysis of nonlinear solid-state microwave devices<ol style="list-style-type: none"><li>A. Diode</li><li>B. Field-effect transistor</li><li>C. Bipolar transistor</li></ol></li><li>2. Design and simulation of nonlinear microwave circuits<ol style="list-style-type: none"><li>A. Power amplifier</li><li>B. Mixer</li><li>C. Frequency multiplier and switch</li><li>D. Oscillator</li></ol></li><li>3. Circuit design and layout</li></ol>
Goal	Nonlinear microwave integrated circuit theory and design
English Teaching	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Teaching Material	<input checked="" type="checkbox"/> English <input type="checkbox"/> Chinese