

## Course Content

Course Title (English)	Monolithic Microwave Integrated Circuit (MMIC) Engineering
Course Title (Chinese)	微波單晶積體電路
Credit	3
Instructor	Prof. Huei Wang 王暉 教授
Outline	<p>1. 微波單晶積體電路簡介 Introduction of monolithic microwave integrated circuits</p> <p>2. 基礎微波電路理論 Fundamental theory of microwave circuits</p> <p>3. 固態微波元件之小訊號及雜訊特性分析與模型 Small signal and noise model and analysis of solid state microwave devices</p> <p>4. 半導體被動元件之分析與模型 Semiconductor passive element modeling and analysis</p> <p>5. 線性微波單晶電路之模擬與設計 Simulation and design of linear monolithic microwave integrated circuits</p> <p>6. 微波單晶積體電路之製程 Processes of monolithic microwave integrated circuits</p> <p>7. 電路設計與佈局實作 Design and layout of monolithic microwave integrated circuits</p>
Goal	<p>學習微波單晶積體電路設計理論與實作設計技術，元件模型與相關製程技術</p> <p>Study of microwave integrated circuit design, implementation, device modeling, and related process technologies.</p>
English Teaching	<input type="checkbox"/> YES <span style="margin-left: 200px;"><input checked="" type="checkbox"/> NO</span>

Teaching  
Material

English

Chinese