

## Course Content

Course Title (English)	Advanced Wireless Networking
Course Title (Chinese)	高等無線網路
Credit	3
Instructor	Prof. Wan-jiun Liao 廖婉君 教授
Outline	<p>此課程為進階無線網路，主要是系統性介紹 5G 無線網路技術發展及應用。課程內容涵蓋 5G radio access, multi-access edge computing, SDN/NFV, AI and SON, network slicing and virtualization, and 5G vertical applications (eMBB, URLLC, and mMTC)，課程設計以演講為主，並搭配學生論文研習及期末專題。</p> <p>This course is designed for graduate students in networking and communications engineering to learn the state-of-the-art in 5G. The issues to cover include 5G radio access, multi-access edge computing, SDN/NFV, AI and SON, network slicing and virtualization, and 5G vertical applications (eMBB, URLLC, and mMTC). There are no midterm and final exams. The students are graded according to their homework assignment, final term project, and class participation.</p>
Goal	<p>培養學生獲得 5G 網路設計之實務訓練及前瞻研究能力。</p> <p>To train students to learn the cutting-edge technologies in 5G networks</p>
English Teaching	<input type="checkbox"/> YES <span style="margin-left: 200px;"><input checked="" type="checkbox"/> NO</span>
Teaching Material	<input checked="" type="checkbox"/> English <span style="margin-left: 200px;"><input type="checkbox"/> Chinese</span>