

## Course Content

Course Title (English)	WIRELESS AD HOC NETWORKS
Course Title (Chinese)	無線隨意網路
Credit	3
Instructor	Prof. Hung-Yun Hsieh 謝宏昫 教授
Outline	<p>A systematic introduction of network protocols used for wireless ad hoc networks and their cross-layer interactions. Topics covered in this course include:</p> <ol style="list-style-type: none"><li>1. Wireless link and mobility models</li><li>2. Network simulation</li><li>3. Medium access control protocols</li><li>4. Routing protocols</li><li>5. Transport protocols</li><li>6. Cross-layer optimization</li><li>7. Advanced topics</li></ol>
Goal	The goal of this course is to introduce students to network protocol designs for multi-hop wireless networks. It provides in-class lectures based on research papers as well as hands-on assignments based on network simulation tools.
English Teaching	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Teaching Material	<input checked="" type="checkbox"/> English <input type="checkbox"/> Chinese