

Course Content

Course Title (English)	Special Topics on Antenna
Course Title (Chinese)	天線專題
Credit	3
Instructor	Prof. Hsi-Tseng Chou 周錫增 教授
Outline	<ol style="list-style-type: none">(1) Review of Antenna Radiation Characteristic Parameters(2) Basic Antenna Elements-- Dipole antennas(3) Basic antenna elements- Microstrip Antennas(4) Basic theory of phased antennas(5) Numerical Simulation Training(6) Antenna measurement training(7) Synthesis of Phased array of antennas(8) Special Applications -- Base Station Antennas(9) Special Applications--Smart Antennas(10) Special Applications-- MIMO
Goal	<p>The object of this course is to introduce the graduate students (or senior undergraduate students) more advanced subjects in the phased array antenna related areas. It is particularly useful for the students to pursue the advanced studies and researches in the antenna area. Not only the basic theory will be introduced, the practical applications will also summarized. This students should have basic background in electromagnetics and antenna concepts. After taking this course, in conjunction with the basic antenna course, the students should have the sufficient background to explore the potentials of antenna technologies in the practical applications.</p>

English Teaching	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Teaching Material	<input checked="" type="checkbox"/> English <input type="checkbox"/> Chinese