

Course Content

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| Course Title (English) | Rf Integrated Circuit Design |
| Course Title (Chinese) | 射頻積體電路設計 |
| Credit | 3 |
| Instructor | Prof. Yi-Jan Chen 陳怡然 教授 |
| Outline | <ol style="list-style-type: none">1. RF Engineering2. RF Circuit Design Fundamental3. RF Receiver and Transmitter Architectures4. Building Blocks for RF Transceivers5. Electronic Simulation Tools6. Measurement Instrument and Application7. Design Project |
| Goal | The goal of the course is to establish the background for RF circuit design. The architectures of RF receiver and transmitter will be covered, including the building function blocks. The electronic simulation tools for RF integrated-circuits and passive components will be introduced. The last but not the least, the fundamentals and application of the crucial measurement instrument are also included. |
| English Teaching | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| Teaching Material | <input checked="" type="checkbox"/> English <input type="checkbox"/> Chinese |