

Course Content

Course Title (English)	Integrated Optics
Course Title (Chinese)	積體光學
Credit	3
Instructor	Prof. Ding-Wei Huang 黃鼎偉 教授
Outline	<ol style="list-style-type: none">1. Introduction2. Optical Waveguide Modes3. Theory of Optical Waveguides4. Waveguide Fabrication Techniques5. Losses in Optical Waveguides6. Waveguide Input and Output Couplers7. Coupling Between Waveguides8. Electro-Optic Modulators9. Acousto-Optic Modulators10. Basic Principles of Light Emission in Semiconductors11. Semiconductor Lasers12. Hetrostructure, Confined-Field Lasers13. Distributed Feedback Lasers14. Direct Modulation of Semiconductor Lasers15. Integrated Optical Detectors
Goal	After finishing this course, the students are able to comprehend more about integrated optic devices and systems.
English Teaching	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Teaching Material	<input checked="" type="checkbox"/> English <input type="checkbox"/> Chinese

