

Course Content

Course Title (English)	Computer Simulation
Course Title (Chinese)	計算機模擬
Credit	3
Instructor	Prof. Zsehong Tsai 蔡志宏 教授
Outline	<ol style="list-style-type: none">1. Basic Simulation Modeling2 Modeling Complex Systems3 Review of Basic Probability and Statistics4 Building Valid, Credible, and Appropriately Detailed Simulation Models5 Selecting Input Probability Distributions6 Random-Number Generators7 Generating Random Variates8 Output Data Analysis for a Single System9 Comparing Alternative System Configurations10 Variance-Reduction Techniques11 Case Studies in Manufacturing Systems & Telecommunication Networks
Goal	提供修課同學在建模(modeling), 模擬程式撰寫及以模擬解決工程問題之能力
English Teaching	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Teaching Material	<input checked="" type="checkbox"/> English <input type="checkbox"/> Chinese