

## Course Content

Course Title (English)	Queueing Theory
Course Title (Chinese)	排隊理論
Credit	3
Instructor	Prof. Zse-Hong Tsai 蔡志宏 教授
Outline	<ol style="list-style-type: none"><li>1. Introduction of Queueing Model and Review of Markov Chain</li><li>2. Simple Markovian Birth and Death Queueing Models(M/M/1, etc)</li><li>3. Advanced Markovian Queueing Models</li><li>4. Jackson Queueing Networks</li><li>5. Models with General Arrival and Service Pattern(M/G/1, G/M/1)</li><li>6. Discrete Time Queueing Models</li></ol>
Goal	To provide the basic knowledge in queueing models and the analysis capability of the queueing models in telecommunications, computers, and industrial engineering.
English Teaching	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Teaching Material	<input checked="" type="checkbox"/> English <input type="checkbox"/> Chinese