

Course Content

Course Title (English)	Statistical Image Processing
Course Title (Chinese)	統計影像處理
Credit	3
Instructor	Prof. Jenho Tsao 曹建和 教授
Outline	<ol style="list-style-type: none">1. Introduction2. Low Level MRF Models3. Discontinuities in MRFs4. Discontinuity-Adaptivity Model and Robust Estimation5. High Level MRF Models6. MRF Parameter Estimation7. Parameter Estimation in Optimal Object Recognition8. Minimization -- Local Methods9. Minimization -- Global Methods
Goal	<p>To be acquaint with statistical techniques in dealing with Markov Random Fields.</p> <p>Understand statistical image modeling and analysis techniques.</p> <p>Understand applications of Bayes' theory in image restoration, segmentation and analysis.</p>
English Teaching	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Teaching Material	<input checked="" type="checkbox"/> English <input type="checkbox"/> Chinese