

Course Content

Course Title (English)	Digital Video Technology
Course Title (Chinese)	數位視訊技術
Credit	3
Instructor	Prof. Shao-Yi Chien 簡韶逸 教授
Outline	<ol style="list-style-type: none">1. Introduction2. Human visual system3. Compression fundamentals4. JPEG5. Motion estimation and hybrid coding6. H.261 & H.2637. MPEG-1/28. H.2639. H.263+ & MPEG-410. H.26411. Video over network12. JPEG200013. Scalable video coding (SVC)14. Object based coding15. MPEG-716. Multiview video coding (MVC)
Goal	This course is to provide a comprehensive coverage of the principles of digital video processing, including leading algorithms for various applications, video standards for various visual communication networks, as well as the design and

	implementation of video processors.
English Teaching	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Teaching Material	<input checked="" type="checkbox"/> English <input type="checkbox"/> Chinese