

E	Information Technology	◎
F	Communication and expression	◎

圖示說明：Illustration：★高度相關 Highly correlated ◎中度相關 Moderately correlated

課程綱要

Course Outline

週次	課程內容： (含每週授課主題及進度)	備註
第一週	Meeting: introduction of course content and progress, description of related rules	
第二週	Warm up: work environment and outline of works	
第三週	Introduction of material	
第四週	Introduction of material manufacturing	Unit Practice 1
第五週	Forming technique: hot forming and spinning forming	
第六週	Shot molding and press molding	Unit Practice 2
第七週	CNC Machining and Laser Sculpting	
第八週	Midterm model	Unit Practice 3
第九週	Midterm week	
第十週	Combined techniques: ultrasonic waves, vibration edge blending	Presentation
第十一週	Assembly and rapid forming	
第十二週	Surface processing: coating and electroplating	Unit Practice 4
第十三週	Surface processing: Pattern transferring and coating	
第十四週	The end of the model to discuss 1	Data collection
第十五週	The end of the model to discuss 2	Sketch
第十六週	The end of the model to discuss 3	Framed
第十七週	Final model published with review	Presentation
第十八週	Total review and pay works	

資源需求評估 (師資專長之聘任、儀器設備配合...等)

Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)

1. Teachers of materials and manufacturing methods
2. Computer
3. Manufacturing machine

課程要求及教學方式之建議

Course Requirements and Suggested Teaching Methods

Cultivation of professional design literacy; the assignments should be submitted on time. For the delayed submission, students will receive 0 as the score.

There will be irregular calls in classes. Regarding cutting class without proper reasons for at least 4 times, the students will not obtain the credit from the course.

其他

Miscellaneous