

佛光大學 課程大綱 Course Outline

課程名稱 Course Name in Chinese	產品機構設計				
英文課程名稱 Course Name in English	Product of Mechanism				
科目代碼 Course Code	PM428			班別 Degree	<input checked="" type="checkbox"/> 學士班 Undergraduate Program <input type="checkbox"/> 碩士班 Masters Program <input type="checkbox"/> 博士班 PhD Program
學分數 Credit	3	時數 Hour	3	修別 Type	<input type="checkbox"/> 必修 Required <input checked="" type="checkbox"/> 選修 Elective
學程別 Program	<input type="checkbox"/> 通識教育 General Education <input type="checkbox"/> 院基礎 Foundation <input type="checkbox"/> 跨領域 Interdisciplinary <input type="checkbox"/> 系核心 Core <input checked="" type="checkbox"/> 學系專業選修 Specialized Elective				
先修課程 prerequisite					
課程描述 Course Description					
The course mainly introduces mechanism and mechanical motion analysis principle and method. As to the concepts, students are enhanced to effectively increase design benefits by mechanism					
課程目標 Course Objectives					
1. By basic physical concepts, students learn and try the possibilities of mechanical use. 2. By motion analysis principle, students learn the method and content of product media design.					
教育目標 Education Objectives					
1	Cultivation of professional capability of products and media				
2	Cultivation of design capability of cultural and creative industry				
3	Cultivation of professional ethics and social concern				
4	Aesthetic practice in life, live and career education				
核心能力（專業能力） Learning Outcomes (Basic Learning Outcomes)				課程目標與基本素養 與核心能力相關性 Correlation between Course Objectives and learning Outcomes	
A	Professional knowledge				★
B	Design Technology				★
C	Humanities				◎
D	Creative Thinking				★

E	Information Technology	◎
F	Communication and expression	◎

圖示說明：lllustration：★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 and description of related rules	
第二週	Warm up:concept of mechanical manufacturing and work environment	
第三週	Introduction and use of materials	Unit Practice 1
第四週	Introduction and use of manufacturing	
第五週	Machine parts	Unit Practice 2
第六週	Explosion drawing	
第七週	Assembly drawing	Unit Practice 3
第八週	Problem thoughts	
第九週	Midterm week	Presentation
第十週	Conceptual design	
第十一週	Computer-aided design	Unit Practice 4
第十二週	Institutional model making	
第十三週	Final title confirmed	
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. Design of Mechanism of teachers

2. Model studio

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

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.