

佛光大學 課程大綱 Course Outline

課程名稱 Course Name in Chinese	產品與媒體設計(三)				
英文課程名稱 Course Name in English	Product and Media Design(III)				
科目代碼 Course Code	PM352			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 checked="" type="checkbox"/> 必修 Required <input 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 checked="" type="checkbox"/> 系核心 Core <input type="checkbox"/> 學系專業選修 Specialized Elective				
先修課程 prerequisite	設計基礎(一)、設計基礎(二)、Product and Media Design (一)、Product and Media Design (二)				
課程描述 Course Description					
The course emphasizes data collection and analysis. By social phenomenon and market survey, it discovers the users' needs and problems of related products. Through the use of methods, it analyzes and generalizes reasonable solution to set up design regulations according to creative ideas. By practice and manufacturing of design and matching between products and media, students can validate the analysis and precision of solution. It helps their control of design problems.					
課程目標 Course Objectives					
1. Be familiar with problem discovery and analytical method 2. Correct data collection analysis and methods of use 3. Proper use of design thoughts and convergence method 4. Be familiar with product design and film design process 5. Be familiar with and correctly use media array and retouching 6. Precisely fulfill design concepts and demonstrate design spirit					
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：Illustration：★高度相關 Highly correlated ◎中度相關 Moderately correlated

課程綱要

Course Outline

週別	課程內容： (含每週授課主題及進度)	備註
一	Introduction of design process of products and media	Subject preparation
	Data collection and analysis	Observation of current situations and problem discovery
二	Design application of human factor engineering	Observation of the current situation and problems of excavations
	Meanings of products and modeling psychology	Observation of the current situation and problems of excavations
三	Improvement of problems and setting of design regulations	Problem-solving
	Introduction and use of design methods	
四	Presentation of modeling style and design regulations	Concept development
五	Development and convergence of creative ideas	Concept development
六	drawing skills of Sketch	
七	Presentation of Sketch	The creativity would like to express 20 case
八	Presentation of rough model	
九	Digital model construction and render	Planning of animation types and manufacturing according to attributes of products
	Types of animation and array of films	

十	Construction diagram drawing and description of precision mold requirement	Design setting and start of precision mold manufacturing and films
十一	Precision mold manufacturing (一)	Correction of design and construction diagram and model manufacturing
十二	Precision mold manufacturing (二)	Characteristics of materials, material manufacturing and surface processing
十三	Computer-aided production	Computer-assisted figure machine
十四	Film array and shooting	Based on types of film
十五	Video Post	Effects and clips
十六	Presentation of skills and foamboard design	Display panels production
十七	Design of the case was published	Precision mold, foamboard and overall presentation
十八	Presentation of films and submission of final report	Presentation of films

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.)

- Teachers must have practical experience of product and media design
- Teachers must have good communication and negotiation capability
- Teachers must be able to control design trend and social movement
- DV camera
- Devices in computer classroom are required. Computers must be installed with independent video card of at least 1G, memory of at least 4G and non-linear editing software

課程要求及教學方式之建議

Course Requirements and Suggested Teaching Methods

- Be familiar with characteristics and content of design analysis
- Be familiar with technique and content of design integration
- Be familiar with evaluation and analysis of product value and media technique
- In order to cultivate students' professional design literacy and sense of responsibility, students should submit the assignments before the deadline. The delayed submission is allowed within one week for the concern of emergency and sickness. Grades of the assignments will be 20% off. Without the submission of the assignments with proper reasons, the students will receive the grades as 0.
- Regular calls in classes; regarding students who cut classes without specific reasons for at least four times, the examination will be failed according to rules of schools.

其他

Miscellaneous

