佛光大學 課程大綱 Course Outline

	程名稱 se Name in ese	電腦輔助設計(一)						
	課程名稱 se Name in sh	Computer-Aided Design(I)						
	日代碼 urse Code	PM25		51		班別 Degree	■學士班 Undergraduate Program □碩士班 Masters Program □博士班 PhD Program	
•	分 數 Credit	3	時數 Hour	3	修別 Type	□必修 Rec ■選修 Ele	_	
粤	學程別	星別 □通識教育 General Education □院基礎 Foundation □跨領域 Interdisciplinary						
P	rogram	□系核心 Cc	ore	■學	系專業	選修 Specia	lized Elective	
	修課程							
pre	requisite			課程持	生活			
				Course Des	_	on		
The c	The course emphasizes the computer-assisted design capability by technology and information tool. By							
the co	nstruction	of 3D model,	product	design and anin	nation r	nedia desigr	n are developed	
the construction of 3D model, product design and animation media design are developed 課程目標 Course Objectives 大大人具主法								
1. I							oftware	
2. I	Be familiar	r with basic image kits and model construction						
3. I	Precise mod	e model construction by proper measures						
4. I	Be familiar	e familiar with editing order and editing control point						
5. I	Proper use of	oper use of analytical model tool and input and output of different types of files of model						
6. I	3. Precise presentation of shadow and materials							
教育目標								
	Education Objectives							
1	Cultivation	altivation of professional capability of products and media						
2	Cultivation	ivation 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								
							課程目標與基本素養	
		核心	能力(專	業能力)			與核心能力相關性	
	Lea	arning Outcom	nes (Basic	Learning Outco	omes)		Correlation between Course Objectives and learning Outcomes	
A		P	rofession	al knowledge			*	
В			Design 7	Technology			*	
							<u>t</u>	

С	Humanities	©
D	Creative Thinking	*
Е	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:	備註		
ZY.	(含每週授課主題及進度)	/用 a工		
_	Introduction of instructional goals			
	and course content			
_	Operational interface of	Function table, tool bar, drawing zone, order zone,		
1	computer-assisted design software	horizontal moving and zoom		
Ξ	Business environment set and tool	Item setting and arrangement of tool bar		
1	bar			
四	Build the geometry	2D objects, 3D objects		
五	Create 2D objects (—)	Straight lines and free modeling curve		
六	Create 2D objects (二)	Model construction assistance, layer and editing		
<i>^</i>		items		
セ	2D objects drawn practice	Hand drawing of activity board		
八	3D modeling and editing (—)	Moldable items		
九	3D modeling and editing (二)	Solid Modeling		
+	3D modeling and editing (三)	Construction of curve		
+-	3D modeling and editing (四)	Input and output model		
十二	3D objects drawn practice	3D model drawing by mouse		
		Use of color, lighting, shadow rendering model,		
十三	Rendering	anti-aliasing, line setting and embossing image		
		posting		
十四	Plug-in rendering tool	Use of plug-in render program		
上で	Dimensioning	Remark form of scales; 2D image constructed by		
十五		3D model		
十六	Comprehensive Exercises (—)	3D model construction and render of printer		
L 1-	Comprehensive Exercises (二)	3D render and 2D construction diagram output of		
十七		printer		
十八	Final Publication			

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 experience of computer-assisted design

- Teachers must have good communication and negotiation capability
- Teachers must have Level-1 and Level-2 educational training experience
- Equipment of computer classrooms is required. Computers must have at least 1G of independent video card and 4G of memory

課程要求及教學方式之建議

Course Requirements and Suggested Teaching Methods

- Theory illustrate and explain.
- Actual use of computers
- 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