

99-1 大葉大學 完整版課綱

基本資訊

課程名稱	基礎運輸工具設計(一)	科目序號 / 代號	2530 / IDV2023
開課系所	工業設計學系	學制 / 班級	四技部2年1班
任課教師	約翰蓋格	專兼任別	專任
必選修 / 學分數	選修 / 2	畢業班 / 非畢業班	非畢業班
上課時段 / 地點	(四)567 / G410	授課語言別	英文

課程簡介

A. 教育目標

1. 培養學生結合感性美學、經營管理及科技工程的工業設計創新思維
2. 解決人類（使用者）對產品（Tangible Product）與服務（Intangible product）等需求之設計專業問題。

B. 教育核心能力

1. 生活文化、感性的造形能力
2. 掌握科技工程的能力
3. 使用者導向的創新思維應用
4. 跨領域溝通與整合的能力

C. 大葉大學工業設計學系課程特色：

1. 培養正確的工業設計思維
2. 培養分析、歸納與創新設計能力
3. 提倡以人為本的設計理念
4. 培養完整設計、視覺化表達與溝通能力
5. 造形語意、造形創意與審美觀的養成
6. 培養學生融合理論與實際、手腦並用
7. 產學合作、學以致用

課程大綱

Design und Business:Market observation, prediction methods, methods of canalized information
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Design tools:Project semantic chart, transformation into images of appearance in material, image board
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Ergonomy/ construction/ physical vehicle dynamics:Basic layout and understanding, Platform, Package, Power train, Suspension types and others.
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Presentation techniques:2D/ 3D sketching and renderings, presentation by boards.

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Modeling technique:Basics in Clay modeling, automotive construction measuring systems, model underconstruction, section and main templates

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Final presentation

Very Final presentation

基本能力或先修課程

Students are required to understand technical “ packages ” and have a brief Introduction on the basic procedure of transportation design.

課程與系所基本素養及核心能力之關連

成績稽核

教科書(尊重智慧財產權，請用正版教科書，勿非法影印他人著作)

書名	作者	譯者	出版社	出版年
無參考教科書				

參考教材及專業期刊導讀(尊重智慧財產權，請用正版教科書，勿非法影印他人著作)

書名	作者	譯者	出版社	出版年
無參考教材及專業期刊導讀				

上課進度		分配時數(%)				
週次	教學內容	講授	示範	習作	實驗	其他
1	Design und Business:Market observation, prediction methods, methods of canalized information	20	20	40	20	
2	Design und Business:Market observation, prediction methods, methods of canalized information	20	20	20	40	
3	Design tools:Project semantic chart, transformation into images of appearance in material, image board	40	20	20	20	
4	Design tools:Project semantic chart, transformation into images of appearance in material, image board	40	20	20	20	
5	Ergonomy/ construction/ physical vehicle dynamics:Basic layout and understanding, Platform, Package, Power train, Suspension types and others.	40	20	20	20	
6	Ergonomy/ construction/ physical vehicle dynamics:Basic layout and understanding, Platform, Package, Power train, Suspension types and others.	40	20	20	20	
7	Ergonomy/ construction/ physical vehicle dynamics:Basic layout and understanding, Platform, Package, Power train, Suspension types and others.	40	20	20	20	
8	Presentation techniques:2D/ 3D sketching and renderings, presentation by boards.	40	20	20	20	
9	Presentation techniques:2D/ 3D sketching and renderings, presentation by boards.	40	20	20	20	
10	Modeling technique:Basics in Clay modeling, automotive construction measuring systems, model underconstruction, section and main templates	40	20	20	20	
11	Modeling technique:Basics in Clay modeling, automotive construction measuring systems, model underconstruction, section and main templates	40	20	20	20	
12	Modeling technique:Basics in Clay modeling, automotive construction measuring systems, model underconstruction, section and main templates	40	20	20	20	
13	Modeling technique:Basics in Clay modeling, automotive construction measuring systems, model underconstruction, section and main templates	40	20	20	20	
14	Modeling technique:Basics in Clay modeling, automotive construction measuring systems, model underconstruction, section and main templates	40	20	20	20	
15	Modeling technique:Basics in Clay modeling, automotive construction measuring systems, model underconstruction, section and main templates	40	20	20	20	
16	Modeling technique:Basics in Clay modeling, automotive construction measuring systems, model underconstruction, section and main templates	40	20	20	20	

17	Final presentation	40	20	20	20	
18	Very Final presentation	0	0	0	0	100
