

103-2 大葉大學 選課版課綱

基本資料			
課程名稱	基礎運輸工具設計(二)	科目序號/代號	3338 /IDV2029
必選修/學分數	選修 /2	上課時段/地點	(五)34 /P304
授課語言別	中文	成績型態	數字
任課教師 / 專兼任別	約翰蓋格 / 專任	畢業班/非畢業班	
學制/系所/年班	四技部 / 工業設計學系 / 2年1班		

課程簡介與目標

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

-  美學知識與涵養
-  工程科技之應用
-  跨領域創新整合與創意表達
 - 使用者導向之創新
 - 團隊合作與計畫管理
 - 掌握趨勢與持續學習
 - 專業倫理與社會責任