

## 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	3331 /IDD2081
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	大學日間部 / 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