

# 中臺科技大學通識教育微學分課程簡介

## Course Syllabus

|      |   |                         |  |
|------|---|-------------------------|--|
| 開課學期 | 109-1   | 部別                      | 日間部  |
| 開課系科 | 通識教育中心  | 學制                      | 大學部(二技、四技)   |
| 課程名稱 | 咖啡與生活   | 授課教師                    | 林慶弧  |
| 課程類別 | <input type="checkbox"/> 學理基礎 <input checked="" type="checkbox"/> 應用實作<br><input type="checkbox"/> 跨領域探索<br><input type="checkbox"/> 其他：_____ | 授課方式<br>(可複選)           | <input type="checkbox"/> 授課 <input type="checkbox"/> 演講 <input type="checkbox"/> 參訪 <input type="checkbox"/> 工作坊<br><input type="checkbox"/> 遠距教學 <input checked="" type="checkbox"/> 實作研習營<br><input type="checkbox"/> 其他：_____ |
| 學分數  | 0.4   | 授課時間                    | <input checked="" type="checkbox"/> 週五上午 1-4 節<br><input type="checkbox"/> 週三下午 5-8 節，   |
| 科目代碼 |   | 請益時間                    |  |
| 開課代號 |   | 聯絡方式<br>(電子信箱<br>或手機號碼) | 108263@ctust.edu.tw  |

### 課程描述

#### Course Description

3D 列印被喻為第三次工業革命，其重要性不僅僅影響製造產業，凡舉教育、設計、醫療、建築等，都將受到大幅精進的改變，在這波進行式中的製造革命裡，3D 列印扮演著重要的角色。因此本課程專為初學無經驗者設計了一連串有趣且有意義的 3D 列印實作課程，帶領學員進入創新思考、快樂學習、動手實作的翻轉教育！

### 課程目標

#### Course Objectives

學員能在學習之過程從設計發想、製造、組裝等一連串的實作程序來完成創作作品，並從中體驗到 3D 空間概念與 3D 列印機之應用。

### 授課進度

#### Course Schedule

第一週：透過 3D 列印介紹建立基礎概念，透過 CAD 設計軟體進行創作。  
 第二週：透過 CAD 設計軟體實現創作，導入 3D 列印機完成一件個人化創作作品。

### 教學方式

#### Teaching Method

1. 課堂講授：了解 3D 列印機專業概念與實作應用。
2. 實際示範：CAD 設計軟體操作、3D 列印軟體與機器操作、二次固化、修整。
3. 自造實作：每位學員完成一件自我創作。

### 學習評量方式與配分

#### Evaluation Methods & Ratio

請勾選合適項目，單項、多項皆可，各項合計 100%

隨堂作業 50 %   
 上課參與度 30 %   
 出席 20 %   
 口頭報告 \_\_\_\_\_ %  
其他(請註明) \_\_\_\_\_ %

教科書(書名、作者、出版社、備註)

| Textbook (Title, Author, Publisher, Remarks )   |              |                                 |               |
|---|--------------|---------------------------------|---------------|
| 書名<br>Title   | 作者<br>Author | 出版社<br>Publisher                | 備註<br>Remarks |
| 自編教材  |              |                                 |               |
|   |              |                                 |               |
| 參考書目(書名、作者、出版社、期刊、備註)<br>Reference Materials (Title, Author, Publisher/Journal, Remarks ) |              |                                 |               |
| 書名<br>Title   | 作者<br>Author | 出版社/期刊<br>Publisher/<br>Journal | 備註<br>Remarks |
|   |              |                                 |               |
|   |              |                                 |               |

## Central Taiwan University of Science and Technology

### General Education Micro Credit Course Syllabus

|                           |       |                     |     |
|---------------------------|-------|---------------------|-----|
| Academic<br>Year/Semester | 107-1 | Day/Night<br>School | Day |
|---------------------------|-------|---------------------|-----|

|  |   |                       |   |
|--|---|-----------------------|---|
| Department   | Center for General Education  | Program               | University department   |
| Course Title   | Coffee and life   | Instructor            | Lin, Ching-Hu   |
| Course type  | <input type="checkbox"/> Theoretical Foundation<br><input type="checkbox"/> Application and Implementation<br><input type="checkbox"/> Interdisciplinary Learning<br><input type="checkbox"/> Other : _____ | Teaching methods      | <input type="checkbox"/> Teaching <input checked="" type="checkbox"/> Speech <input type="checkbox"/> Visit<br><input checked="" type="checkbox"/> Workshop <input type="checkbox"/> Distance Learning<br><input type="checkbox"/> Practical Study Camp<br><input type="checkbox"/> Other : _____ |
| Credit Hour  | 0.4   | Hour(s)               | <input type="checkbox"/> W5 , Section 1-4 , 3rd.4th week<br><input type="checkbox"/> W3 , Section 5-8 ,   |
| Course Code  |   | Advisory Time         |   |
| Subject Code   |   | Email                 | <a href="mailto:cafelib2008@gmail.com">cafelib2008@gmail.com</a><br>0926-732800   |
| <b>Course Description</b>  |   |                       |   |
| This course covers the discovery, use, improvement, dissemination of coffee, the formation of cafes, and the relationship between cafes and society.   |   |                       |   |
| <b>Course Objectives</b>   |   |                       |   |
| 1. Know the origin of coffee beans<br>2. Learn about coffee history and allusions<br>3. Explore the relationship between cafes and society<br>4. Identify how to brewed coffee<br>5. Learn how to brewed coffee  |   |                       |   |
| <b>Course Schedule</b>   |   |                       |   |
| Week 1 Meet the types of coffee beans and the history of baking, coffee, stories, cafes and society  |   |                       |   |
| Week 2 Recognize the method of brewing coffee and practical exercise   |   |                       |   |
| <b>Teaching Method</b>   |   |                       |   |
| In the first week of class, the lecture was conducted in conjunction with a large number of pictures to understand the history of coffee beans, coffee and cafes. Students were asked to establish basic concepts, understand the types of coffee beans and the history of roasting, coffee, allusions, cafes and Social relations. In the second week, the teacher personally demonstrated the coffee brewing equipment, learned the principle of brewing coffee, and allowed the students to personally teach the operation drills to achieve the aesthetics of life and understand the taste of life. |   |                       |   |
| <b>Evaluation Methods &amp; Ratio</b>  |   |                       |   |
|  |   |                       |   |
| <b>Textbook (Title, Author, Publisher, Remarks )</b>   |   |                       |   |
| Title  | Author  | Publisher             | Remarks   |
|  |   |                       |   |
| <b>Reference Materials (Title, Author, Publisher/Journal, Remarks )</b>  |   |                       |   |
| Title  | Author  | Publisher/<br>Journal | Remarks   |

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