

# 中臺科技大學通識教育微學分課程簡介

## Course Syllabus

開課學期	108-1	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	數控雕刻創意實作	授課教師	林芷蓀、楊振昇
課程類別	<input type="checkbox"/> 學理基礎 <input checked="" type="checkbox"/> 應用實作 <input type="checkbox"/> 跨領域探索 <input type="checkbox"/> 其他：_____	授課方式 (可複選)	<input type="checkbox"/> 授課 <input type="checkbox"/> 演講 <input type="checkbox"/> 參訪 <input type="checkbox"/> 工作坊 <input type="checkbox"/> 遠距教學 <input checked="" type="checkbox"/> 實作研習營 <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 <input type="checkbox"/> 週三下午 5-8 節
科目代碼		請益時間	週一下午
開課代號		聯絡方式 (電子信箱 或手機號碼)	0937705079 cillin101938@ctust.edu.tw
課程描述 Course Description			
<p><b>請以 50-100 字簡述</b></p> <p>本單元為金工教室系列課程之 CNC (Computer numerical control, 計算機數字控制) 雕刻機應用, 課程內容包括文創設計新知、認識 CNC 雕刻機、軟體環境、刀具安裝及實作等, 用八個小時的課程訓練學生完成一件屬於自己的雕刻作品。</p>			
課程目標 Course Objectives			
<p><b>請以 50-100 字簡述</b></p> <ol style="list-style-type: none"> <li>1. 學習 CNC 雕刻機操作技能</li> <li>2. 了解文創設計新知, 並加以創造性運用</li> <li>3. 體驗數控雕刻創意及實踐生活美學</li> </ol>			
授課進度 Course Schedule			
<p>請以 50-100 字簡述 (分週呈現)</p> <p>第一週: 透過數控雕刻作品介紹, 認識 CNC 雕刻機、軟體環境及示範教學。</p> <p>第二週: 設定創作主題, 完成一件個人化數控雕刻作品。</p>			
教學方式 Teaching Method			
<p><b>請以 100-200 字簡述 (如有校外實作參訪, 請列預計場域與活動)</b></p> <ol style="list-style-type: none"> <li>1. 課堂講授。</li> <li>2. 實際示範。</li> <li>4. 自造實作。</li> </ol>			
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 Title	作者 Author	出版社 Publisher	備註 Remarks
自編教材			

參考書目(書名、作者、出版社、期刊、備註)

Reference Materials (Title, Author, Publisher/Journal, Remarks )

書名 Title	作者 Author	出版社/期刊 Publisher/ Journal	備註 Remarks

# Central Taiwan University of Science and Technology

## General Education Micro Credit Course Syllabus

Academic Year/Semester	107-1	Day/Night School	Day
Department	Center for General Education	Program	University department
Course Title	CNC engraving creative implementation	Instructor	
Course type	<input type="checkbox"/> Theoretical Foundation <input checked="" type="checkbox"/> Application and Implementation <input type="checkbox"/> Interdisciplinary Learning <input type="checkbox"/> Other : _____	Teaching methods	<input type="checkbox"/> Teaching <input type="checkbox"/> Speech <input type="checkbox"/> Visit <input type="checkbox"/> Workshop <input type="checkbox"/> Distance Learning <input checked="" type="checkbox"/> Practical Study Camp <input type="checkbox"/> Other : _____
Credit Hour	0.4	Hour(s)	<input type="checkbox"/> W5 , Section 1-4 , 10th .11th week <input type="checkbox"/> W3 , Section 5-8 ,
Course Code		Advisory Time	W1.section5-8
Subject Code		Email	
<b>Course Description</b>			
<p>This unit is a CNC (Computer Numerical Control) engraving machine for the Metalworking Classroom series. Based on aesthetic literacy, design thinking and innovative practical ability, students will be trained in an eight-hour course to complete one of his or her own engraving works.</p>			
<b>Course Objectives</b>			
<p>After completion of the unit, students will cultivate aesthetics and learn new ideas of creative design; use them creatively to complete the CNC engraving works; and experience CNC engraving ideas and practice life aesthetics.</p>			
<b>Course Schedule</b>			
<p>Week 1: Introduction of CNC engraving works to develop the skill of aesthetics and design thinking.            Week 2: Completion of a personalized CNC sculpture.</p>			
<b>Teaching Method</b>			
<ol style="list-style-type: none"> <li>1. Lecture.</li> <li>2. Practical demonstration.</li> <li>3. Complete a CNC sculpture.</li> </ol>			
<b>Evaluation Methods &amp; Ratio</b>			
<ol style="list-style-type: none"> <li>1. Homework-50%</li> <li>2. Participation-30%</li> <li>3. Attendance -20%</li> </ol>			
<b>Textbook (Title, Author, Publisher, Remarks )</b>			
Title	Author	Publisher	Remarks

Self-education textbook			
Reference Materials (Title, Author, Publisher/Journal, Remarks )			
Title	Author	Publisher/ Journal	Remarks