# 國立台灣科技大學 114學年 第2學期　課程大綱

## Spring 2026 NTUST Course Outline

授課教師：柯志祥

Instructor:KO CHIH-HSIANG

課程名稱：基礎電腦輔助設計(二)

Course Title：Fundamental Computer-Aided Design (2)

2026/11/3

| | |
|---|---|
| 課程代號：DT1014301<br>Course Code<br>學分數：3<br>Credits | 必選修：必修/半學年<br>Required/Electve:Required/Half Yr.<br>先修課程：<br>Prerequisites |
| 節次教室：T2(RB-403) T3(RB-403) T4(RB-403)<br>Time/Location | |
| 專業核心能力：<br>Core Professional Competencies | |
| 課程網址：<br>Course Website | |
| 課程宗旨：<br>Course Objectives | The course introduces the practice and application of Autodesk Fusion 360 modeling. It is complemented with appropriate 3D concepts and computer graphic techniques, which can lay the foundation for advanced computer aided industrial design. |
| 課程大綱：<br>Outline of Lectures | 1INTRODUCTION: course and software introduction<br>2BASICS (1): working environment and fundamental usage<br>3BASICS (2): introduction to basic modeling and editing tools<br>4SKETCH (1): introduction to sketch tools<br>5SKETCH (2): application of sketch tools<br>6SOLID (1): introduction to solid tools<br>7SOLID (2): application of solid tools<br>8SURFACE: introduction and application of surface tools<br>9MESH: introduction and application of mesh tools<br>SHEET METAL: introduction and application of sheet metal tools<br>1ASSEMBLE: introduction and application of assemble tools<br>2FORM (1): introduction to form tools<br>3FORM (2): application of form tools<br>4PHYSICAL MATERIAL: introduction and application of physical material tools<br>5RENDER: introduction and application of render tools<br>6DRAWING: introduction and application of drawing tools |
| 授課方式：<br>Method of Instruction | 講授 Lecture：50%<br>分組討論 Group discussion：0%<br>案例研討 Case study：0%<br>操做練習 Practical exercises：50%<br>講授 Lecture：NA% |
| 教科書：<br>Textbooks | NA |
| 參考書目：<br>References | NA |

| |
|---|
| 修課須知： NA<br>Notice |
| 評量方式： Assignments (60%) and attendances (40%)<br>Grading |
| 備註說明： NA<br>Notes |