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：林久翔

Instructor:Chiuhsiang Joe Lin

課程名稱：使用性分析

Course Title：Usability Analysis

2026/11/3

課程代號： IM5113701 Course Code 學分數： 3 Credits	必選修：選修/半學年 Required/Electve:Elective/Half Yr. 先修課程： Prerequisites
節次教室： Time/Location	M2(MA-101) M3(MA-101) M4(MA-101)
專業核心能力： Core Professional Competencies	
課程網址： Course Website	
課程宗旨： Course Objectives	1. Understand the psychology of users 2. Study how user interface is designed and usability is achieved 3. Learn to design experiments to evaluate human computer interaction
課程大綱： Outline of Lectures	1. User characteristics, limitation, and experience. 2. Defining usability and user experience 3. User centered design procedure 4. Design life cycle management- user experience perspective 5. User Interface Prototyping 6. Usability and user experience testing and evaluation
授課方式： Method of Instruction	講授 Lecture：60% 分組討論 Group discussion：20% 案例研討 Case study：20% 操做練習 Practical exercises：0% 講授 Lecture：%
教科書： Textbooks	Lecture notes
參考書目： References	1. Preece, Rogers, Sharp, Interaction Design: Beyond Human-Computer Interaction 2. Norman, The design of Everyday Things 3. Shneiderman, Designing the User Interface: Strategies for Effective Human-Computer Interaction
修課須知： Notice	None
評量方式： Grading	Homework 10% Book Presentation 20% Paper Presentation 30% Final Project 40% Attendance：For each absent meeting, 5 points will be deducted from your average final grade.
備註說明： Notes	Oral presentation in English is required in this course.