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：張立中

Instructor:Li-Chung Chang

課程名稱：數位通訊

Course Title：Digital Communications

2026/11/3

課程代號： EE5700701 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	W2(IB-602-2) W3(IB-602-2) W4(IB-602-2)
專業核心能力： Core Professional Competencies	
課程網址： Course Website	
課程宗旨： Course Objectives	This course is developed to the study of principles of digital communications. This course intends to motivate students to develop research interests in the communications area.
課程大綱： Outline of Lectures	Topics covered include random variables and processes, sampling and quantization, optimum receivers for binary data transmission, baseband data transmission, basic digital passband modulation, M-ary signaling techniques.
授課方式： Method of Instruction	講授 Lecture：100% 分組討論 Group discussion：0% 案例研討 Case study：0% 操做練習 Practical exercises：0% 講授 Lecture：%
教科書： Textbooks	Lecture notes.
參考書目： References	
修課須知： Notice	
評量方式： Grading	Homework 20 % Exam 1 40 % Exam 2 40 %
備註說明： Notes	