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：劉孟昆

Instructor:Meng-Kun Liu

課程名稱：應用電子學

Course Title：Applied Electronics
(Introduction to Electronics)

2026/11/3

課程代號：ME3409304 Course Code 學分數：3 Credits	必選修：必修/半學年 Required/Electve:Required/Half Yr. 先修課程： Prerequisites
節次教室：R3(TR-515) R4(TR-515) T3(TR-515) Time/Location	
專業核心能力： Core Professional Competencies	
課程網址： Course Website	
課程宗旨： Course Objectives	1. Understand the basic electrical concepts and principles. 2. Applying basic principles for electrical circuit analysis and design, and interpreting the functions of a particular element/circuit. 3. Be able to describe and read specifications and manuals, and to communicate with electrical engineers in associated projects.
課程大綱： Outline of Lectures	This course provides a comprehensive introduction to electronics, covering circuit analysis and fundamental semiconductor devices. Through theoretical lectures and hands-on exercises, students will develop a strong foundation in electronic circuit analysis and applications.
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	S.A. Reze Zekavat, Electrical Engineering Concepts and Applications, 2013, PEARSON.
參考書目： References	Allan R. Hambley, Electrical Engineering - Principles and Applications, 7th ed., PEARSON.
修課須知： Notice	
評量方式： Grading	Quizzes and Attendances 20% Midterm Exam 40% Final Exam 40%
備註說明： Notes	EMI course