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：江維華

Instructor:WEI-HWA CHIANG

課程名稱：建築音響量測與分析

Course Title：Theory and Measurement Techniques of Architectural Acoustics

2026/11/3

課程代號： AD5106701 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	T6(RB-808) T7(RB-808) T8(RB-808)
專業核心能力： Core Professional Competencies	
課程網址： Course Website	
課程宗旨： Course Objectives	本課程為研究所課程，目的在於建築音環境科技的初探，使同學了解量測與分析，提供後續論文的研究技術與研究方法入門。 The goal is to present a technical overview of architectural acoustic at a level suitable for an introductory graduate course. The content of the course is organized as a step-by-step progression through acoustical theories. Measurements are useful not only for problem solving, but also for understanding the fundamentals. The treatments of materials on room envelope on ray tracing of computer simulation is also proved to practical applications and real projects, included few arrangements of audio engineering. Above all this course will provide a framework for thinking about the acoustical field of architecture in a logical way and be helpful to students who will work associate with room acoustics in the future.
課程大綱： Outline of Lectures	本課程為研究所課程，目的在於建築音環境科技的初探，使同學了解量測與分析，提供後續論文的研究技術與研究方法入門。
授課方式： Method of Instruction	講授 Lecture：% 分組討論 Group discussion：% 案例研討 Case study：% 操做練習 Practical exercises：% 講授 Lecture：%
教科書： Textbooks	
參考書目： References	
修課須知： Notice	
評量方式： Grading	

備註說明：
Notes