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：武德勝

Instructor:VO DUC THANG

課程名稱：化學實習(下)

Course Title：Chemistry Lab. (II)

2026/11/3

課程代號： CE175B002 Course Code 學分數： 1 Credits	必選修：必修/全學年 Required/Electve:Required/Full Yr. 先修課程： Prerequisites
節次教室： Time/Location	R2(E2-403) R3(E2-403) R4(E2-403)
專業核心能力： Core Professional Competencies	
課程網址： Course Website	
課程宗旨： Course Objectives	General chemistry laboratory techniques, including basic laboratory skills and fundamental experiments in general chemistry.
課程大綱： Outline of Lectures	1. Determination of Water Hardness 2. Determination of Melting Point 3. Recrystallization 4. Preparation and Testing of Soap 5. Preparation of Aspirin 6. Hydrolysis of Aspirin 7. Preparation of Hand Sanitizer Gel 8. Quantification of Vitamin C 9. Preparation of Neutral Non-Soap Facial Cleanser and Shampoo 10. Recycling Aluminum from Aluminum Cans 11. Separation and Identification of Proteins
授課方式： Method of Instruction	講授 Lecture：0% 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	
參考書目： References	
修課須知： Notice	
評量方式： Grading	1. Attendance: 10% 2. Working attitude: 30% 3. Pre-lab Report + Post-lab Report: 30% 4. Final Exam: 30%

備註說明：
Notes