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：Adhimoorthy

Instructor:Adhimoorthy Pra

課程名稱：化學(下)

Course Title：Chemistry (II)

2026/11/3

課程代號：TX165B001 Course Code 學分數：3 Credits	必選修：必修/全學年 Required/Electve:Required/Full Yr. 先修課程： Prerequisites
節次教室：F2(TR-309) F3(TR-309) R5(TR-309) W8(TR-309) Time/Location	
專業核心能力： Core Professional Competencies	
課程網址： Course Website	
課程宗旨： Course Objectives	Students will learn fundamental introductory concepts of chemistry, including those for chemical engineering, and apply this knowledge to the qualitative and quantitative analysis of organic, inorganic, and biochemical materials during class. Communicating effectively and clearly, using scientific terminology, notation, and conventions in chemistry, is the prime focus.
課程大綱： Outline of Lectures	Chemical Kinetics Chemical Equilibrium Acids and Bases Aqueous Ionic Equilibrium Free Energy and Thermodynamics Electrochemistry Radioactivity and Nuclear Chemistry Organic Chemistry Biochemistry Chemistry of the Nonmetals Metals and Metallurgy Transition Metals and Coordination Compounds
授課方式： Method of Instruction	講授 Lecture：60% 分組討論 Group discussion：15% 案例研討 Case study：15% 操做練習 Practical exercises：10% 講授 Lecture：%
教科書： Textbooks	
參考書目： References	
修課須知： Notice	
評量方式： Grading	

Assessment I and II - 70 Marks (Written examination—multiple choice, short-answer, and structured questions)
Assignments - 20 Marks
Attendance: 10 Marks.

備註說明：
Notes