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：丘群

Instructor:Chun Chiu

課程名稱：鑄造焊接實習

Course Title：Foundry & Welding Lab.

2026/11/3

課程代號： ME4308301 Course Code 學分數： 1 Credits	必選修：必修/半學年 Required/Electve:Required/Half Yr. 先修課程： Prerequisites
節次教室： Time/Location	T6(E1-170-1) T7(E1-170-1) T8(E1-170-1)
專業核心能力： Core Professional Competencies	
課程網址： Course Website	
課程宗旨： Course Objectives	鑄造實習：球墨鑄鐵的澆鑄操作、包括扶喃模製作、物性測定、配料計算、熔煉與澆注、鑄件品質評定。銲接實習：氫氣鎢極對銲不銹鋼板的操作及品質評定包括目視檢查及彎曲檢驗。 Casting Practice: Ductile iron casting operations, including furan mold fabrication, physical property measurement, material composition calculation, melting and pouring, and casting quality evaluation. Welding Practice: Tungsten inert gas (TIG) welding of stainless steel plates, including process execution and quality assessment through visual inspection and bend testing.
課程大綱： Outline of Lectures	鑄造實習：球墨鑄鐵的澆鑄操作、包括扶喃模製作、物性測定、配料計算、熔煉與澆注、鑄件品質評定。銲接實習：氫氣鎢極對銲不銹鋼板的操作及品質評定包括目視檢查及彎曲檢驗。 Casting Practice: Ductile iron casting operations, including furan mold fabrication, physical property measurement, material composition calculation, melting and pouring, and casting quality evaluation. Welding Practice: Tungsten inert gas (TIG) welding of stainless steel plates, including process execution and quality assessment through visual inspection and bend testing.
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	

備註說明：
Notes