

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.

2026/6/22

<p>課程代號： ME4308302 Course Code 學分數： 1 Credits</p>	<p>必選修：必修/半學年 Required/Electve:Required/Half Yr. 先修課程： Prerequisites</p>
<p>節次教室： R6(E1-170-1) R7(E1-170-1) R8(E1-170-1) Time/Location</p>	
<p>專業核心能力： Core Professional Competencies</p>	
<p>課程網址： Course Website</p>	
<p>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。鋁接實習：氬氣鎢極對鈹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.</p>	
<p>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。鋁接實習：氬氣鎢極對鈹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.</p>	
<p>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：%</p>	
<p>教科書： Textbooks</p>	
<p>參考書目： References</p>	
<p>修課須知： Notice</p>	
<p>評量方式： Grading</p>	

備註說明：  
Notes