

臺科大第一代與第二代 D2 PHASER X光繞射儀操作資格考試細則 (NTUST D2 PHASER (Gen 1 & 2) XRD Operation Qualification Exam)

一、申請條件Application Requirements

必須完成本校環安室舉辦之「輻射防護安全講習」，並取得結業證明。取得結業證明後，方可申請參加 X 光繞射儀操作資格考試。

Applicants must complete the "Radiation Protection and Safety Course" organized by the NTUST Environmental Safety Office and obtain a course completion certificate. Only after obtaining the certificate can one apply for the X-ray diffractometer qualification examination.

二、考試內容Examination Contents

1.筆試 (Written Test) : 測驗儀器相關專業知識與作業安全。

1. Written Test: Assesses knowledge of instrument-related professional topics and operational safety.

2.實際操作 (Operating Test) : 測驗實際儀器操作能力。

2. Operating Test: Evaluates practical operation skills and correct usage of the instrument.

三、筆試免試規定Written Test Exemption Policy

下列課程任一修習並取得學分者，可免除筆試，僅需參加實作測驗：

Students who have completed and earned credits for any of the following courses are eligible to waive the written test and only need to take the practical operating test.

課程名稱Course Title	授課系所 Department	教師姓名Instructor(s)
愛克斯光繞射與結晶學 X-ray Diffraction and Crystallography	材料系(MSE)	梁鍵龍 教授(Chien-Lung Liang) 、
Introduction to X-ray Crystallography and Diffraction	材料系(MSE)	Adhimoorthy
愛克斯光繞射及結晶學 X-Ray Diffraction and Crystallography	機械系 (ME)/	黃彥瑞 教授(Yen-Jui Huang)
材料實驗方法 Experimental Methods of Materials	機械系(ME)	周振嘉 教授(Chen-Chia Chou)
結晶與繞射導論	材料系(MSE)	施劭儒 教授(Shao-Ju Shih) 、

Introduction to X-ray Crystallography and Diffraction		周賢鎧 教授(Shyan-Kay Jou)
材料分析 Introduction to X-ray Crystallography and Diffraction	材料系(MSE)	施劭儒 教授(Shao-Ju Shih)、陳詩 芸 教授(Shih-Yun Chen)
高分子表徵與分析 Polymer Characterization and Analysis	材料系(MSE)	蕭育生 教授(Yu-Sheng Hsiao)
高等材料表面分析 Advanced Surface Characterizations for Materials	材料系(MSE)	朱瑾 教授(Jinn P. Chu)、Hairus教 授
X 光繞射原理與應用 Principles and Applications of X-ray Diffraction	化工系(CHE)	葉旻鑫 教授(Min-Hsin Yeh)

四、其他注意事項Additional Notes

1.如有課程名稱不同但內容相近者，請主動提供課綱供審核認定。

1. If the course title differs but the course content is similar, students are required to submit the syllabus for review.

2. 申請筆試免試者，需檢附相對課程之成績單，經單位審核確認後，免試資格方可正式生效。

2. Applicants applying for exemption from the written test must provide their course transcripts for verification. Exemption will only be effective upon approval by the responsible unit.

五、聯絡方式Contact Information

如有相關疑問，請洽詢儀器技術員

For any inquiries, please contact the instrument technician.

●儀器負責技術員: 吳盈瑩 小姐

Instrument Technician: Ms. Ying-Ying Wu

TEL: (02)2733-3141#7413

E-Mail: ying22.wu@mail.ntust.edu.tw