

# 114-1 Full Curriculum of Da-Yeh University

Information			
Title	Interdisciplinary Studies in Painting, Sculpture, Crafts (1)	Serial No./ID	1029 /PDD4072
Required/Credit	Optinal /2	Time/Place	(Mon)56 /G214
Language	Chinese	Grade Type	Number
Lecturer /Full- or Part-time	Hsiu-Ling , Liao /Full-time	Graduate Class	Graduating Class
School System /Dept /Class, Grade	/Department of Plastic Arts /Class 1, Grade 4		
Office Hour / Place	(Mon) 15:20~16:10, (Mon) 16:20~17:10, (Wed) 09:10~10:00, (Thu) 09:10~10:00 / j223-12		
Lecturer	n.a.		

## Introduction

增能課程為主旨，希望能增加可以同時運用於繪畫、雕塑、工藝等跨領域的共通共用能力。




## Outline

- 1.運用工藝領域所使用的焊接工具(銀焊)以建立會畫性、雕塑性等平面與立體的概念性練習。
- 2.運用雕塑領域的模具鑄造方式，以低溫鑄造建立翻銅等等金屬熔鑄的製作流程與實作，將鑄造實務得以充分的理解方能應用於雕塑、工藝、繪畫的創作當中。

## Prerequisite

無須具備基本能力貨先修課程

## The Relationship Between Courses and Departmental Core Competencies and Basic Skills

-  1.ability to apply professional arts/design knowledge
- 2.ability to apply techniques, skills, and modern tools necessary for arts/design practice
-  3.ability to integrate arts/design theories and techniques
-  4.ability to identify, analyze, and respond to complex arts/design problems
- 5.ability to manage projects, communicate effectively, respect for diversity, and function on interdisciplinary teams
- 6.knowledge of contemporary issues; an understanding of the impact of arts/design practices in a environmental, societal, and global context; and the ability and habit to engage in life-long learning
- 7.understanding of professional ethics and acknowledgment of social responsibility

## Teaching Plan

Core Capability	Weight(% ) 【A】	Ability index(Performance Indicators)	Teaching Methods	Assessment and Weight	Core Competency Learning Outcomes 【B】	Final Exam Grades 【C=B*A】
1.ability to apply professional arts/ design knowledge	20	.	Group Discussion Student Presentation Special Report	Thoughts on Topics: 100%	Total: 100	20
3.ability to integrate arts/ design theories and techniques	60	.	Case Study Practical Operation (Experiment, Machine Operation Special Report	Product Manufacturing: 50% Record on Experiment: 50%	Total: 100	60
4.ability to identify, analyze, and respond to complex arts/ design problems	20	.	Group Discussion Student Presentation Special Report	Internship Experience Report: 100%	Total: 100	20

## Grade Auditing

Product Manufacturing: 30%

Record on Experiment: 30%

Internship Experience Report: 20%

Thoughts on Topics: 20%

Book Type (Respect intellectual property rights. Please use official textbooks and do not illegally photocopy others' works.)

Book Type	Book name	Author
Instructor-compiled	銀焊+ 低溫鑄造	廖秀玲

Material

## Lesson Plan

Weeks	Content	Teaching Methods
1	Strategy Editor 1 introduces the key points of this course, grading methods, using hand tools, and selecting a teacher & Intellectual Property Protection (use legitimate textbooks only) & Traffic safety Propaganda & Gender equality education promotion	Special Report
2	Silver soldering PPT report	Special Report
3	Silver soldering basic exercises: spot welding, T-shaped welding, cross welding, straight welding	Practical Operation (Experiment, Machine Operation)
4	Advanced silver soldering exercises: cube, sphere, and triangular pyramid	Practical Operation (Experiment, Machine Operation)
5	Select the artwork as a sketch + analyze how to build its internal three-dimensional structure	Case Study、 Practical Operation (Experiment, Machine Operation、 Student Presentation)
6	Sketch lofting + internal structure production	Case Study、 Practical Operation (Experiment, Machine Operation)
7	The internal structure is completed	Case Study、 Practical Operation (Experiment, Machine Operation)
8	The plane to three-dimensional production is completed	Case Study、 Practical Operation (Experiment, Machine Operation)
9	Casting PPT report	Special Report
10	Wax heart making	Case Study、 Practical Operation (Experiment, Machine Operation)
11	Casting structure drawing (including exhaust	Case Study、 Practical Operation (Experiment, Machine Operation)
12	Production of pouring gates, runners, vent holes, etc.	Group Discussion、 Case Study、 Practical Operation (Experiment, Machine Operation)
13	Casting model production	Group Discussion、 Case Study、 Practical Operation (Experiment, Machine Operation)
14	Lost wax production	Group Discussion、 Case Study、 Practical Operation (Experiment, Machine Operation)
15	Pouring completed	Group Discussion、 Case Study、 Practical Operation (Experiment, Machine Operation)

16	Silver soldering works     Casting works Complete rating	Case Study
17	Silver soldering related reports and discussions & Flexible Teaching/Learning	Flexible Teaching - Independent Action
18	Casting related reports and discussion & Flexible Teaching/Learning	Flexible Teaching - Independent Action