

**學制：**日間學士班

**中文課名：**3D 電腦輔助設計(A)

### **課程概述**

本課程訓練學生們對設計軟體(Rhino)的操作與運用數位科技的能力，助益其在進行創作時所需的工具能力與設計思維。

### **Course of Bachelor**

**Course:** 3D Computer Graphic (A)

### **Course Outline**

This course gives training in the operation and application of digital design software (Rhino), enhancing students' tool-using skills and creative thinking.

**學制：**日間學士班

**中文課名：**3D 電腦輔助設計(B)

### **課程概述**

課程中將介紹 3D 電腦繪圖之特性、3D 繪圖指令及影像處理與彩現，透過理論講授與實習操作使同學了解數位立體造形設計特性及基本製作技術。

### **Course of Bachelor**

**Course:** 3D Computer Graphic (B)

### **Course Outline**

The course introduces the features of 3D computer graphics and the techniques of making 3D graphics such as image processing and color presentation skills. Through a combination of theory study and actual practice, students are trained to understand the features of 3D digital modeling design and basic production skills.

**學制：**日間學士班

**中文課名：**3D 模型設計與輸出

### **課程概述**

本課程主要為 3D 數控設備的實作課程，提供 3D 繪圖之進階學習(須具備相關先修課程之能力)，落實由設計端到輸出端的實際產出。

### **Course of Bachelor**

**Course:** 3D Model Design and Output

### **Course Outline**

It's an advanced course of Computer Aided Design (CAD), training students to use the CAD computer program to turn their design ideas to real products.

**學制：**日間學士班

**中文課名：**人因工程

### **課程概述**

人因工程主要在討論人員、環境與機具間之關係，探討人們在工作與日常生活中，所使用的物品以及所身處的環境，在其設計時所應考慮的人性因素。本課程目標在建立學生設計適合人類運用之設備與工作環境之知識與能力。

### **Course of Bachelor**

**Course:** Ergonomics

### **Course Outline**

The course guides students to take human factors into account while making product design, considering how to meet consumer's demand based on their preference, need, and living environment, to make products well fit consumers' demand and eco-friendly.

**學制：**日間學士班

**中文課名：**工藝專題講座 A

### **課程概述**

琺瑯工藝又被稱為金屬上的玻璃，透過不同上色方式產生不同的質感。在這些眾多技法當中，需要深入的了解與練習，才能夠確實地掌握。因此，在進階的琺瑯課程裡，將教導學員如何在眾多的技法之中，了解琺瑯到透過自己的設計將作品完整的製作出來於課堂中

### **Course of Bachelor**

**Course:** Seminar on Art and Crafts (A)

### **Course Outline**

Enamel is also known as “glass on metal.” Through different methods of color application, different textures are produced. An in-depth understanding and a great deal of practice of these many techniques is required in order to achieve a genuine mastery of them. For this reason, in the advanced enamel course, students are taught how to understand enamel from these many techniques, to the point of being able to use their own designs to complete classroom-produced works.

**學制：**日間學士班

**中文課名：**工藝產品設計

### **課程概述**

著重完整產品設計過程之理解並經由實物實地之演練，以印證理論與執行之相輔相承的重要性；期達成學生擁有深度及紮實之設計組織能力為目的。

### **Course of Bachelor**

**Course:** Craft and Product Design

### **Course Outline**

This course guides students to experience the whole product design process. It demonstrates the complementary relation between theory study and actual practice, allowing students to develop solid design and organizing capabilities.

**學制：**日間學士班

**中文課名：**工藝設計概論

### **課程概述**

介紹工藝的起源及內涵、工藝的演進與分類，使學生瞭解各類工藝的材料、相關設備機具、成形製作技法，習得各類工藝相關知識及基本製作方法。進而培養工藝設計及鑑賞能力。

### **Course of Bachelor**

**Course:** Introduction to Craft Design

### **Course Outline**

An introductory-level course about craft, starting from the craft origin and contents, evolvement and classification. The curriculum includes an understanding of various craft materials, relative equipment and tools, manufacturing techniques, plus the knowledge about basic techniques, so as to foster students' capabilities for making craft design.

**學制：**日間學士班

**中文課名：**工藝創作

### **課程概述**

(朱芳毅老師)充分瞭解工藝創作之意義與特質，建立工藝創作之基本概念。熟習各類工藝之製作技術法與表現技法，並透過工藝創作之實踐，充分掌握工藝創作之技能，以確立工藝創作與設計進階課程之學習。

### **Course of Bachelor**

**Course:** Craft Creation

### **Course Outline**

(Prof.Fang-Yi Chu) Students are trained to have an understanding of the significance and characteristics of craft art, as the basic concepts for making creation of crafts by themselves. This course gives training in craft-making techniques and expression skills. Through actual practices, students will be able to control the techniques to meet the requirements of this advanced course of craft art.



**學制：**日間學士班

**中文課名：**中華工藝史

### **課程概述**

介紹中國歷代工藝美術及臺灣傳統工藝美術之發展，探討各時代工藝美術之文化背景、審美觀念及風格等問題，使學生深入了解我國悠久的工藝美術傳統，充實理論基礎，俾利於設計理念的發展。

### **Course of Bachelor**

**Course:** History of Chinese Crafts

### **Course Outline**

This course introduces the Chinese craft art history as well as the development of traditional craft industry in Taiwan, exploring the cultural background, aesthetic concept, and style of craft throughout the history. It enables students to understand China's profound tradition of craft art, laying an academic foundation for further research in design theories.

**學制：**日間學士班

**中文課名：**木材工藝

### **課程概述**

透過基礎手作木工技術與機器安全操作教學，認知木藝創作時所需的先備注意事項。

### **Course of Bachelor**

**Course:** Wood Craft

### **Course Outline**

To learn basic woodworking techniques and safety in machine operations.

**學制：**日間學士班

**中文課名：**木材工藝進階

### **課程概述**

本課程為木材工藝課程之進階，以機器操作為主，培養學生熟悉利用機器提昇製作之準確度與縮短製程

### **Course of Bachelor**

**Course:** Advanced Woodworking

### **Course Outline**

The advanced wood craft course focuses mainly on machine operation, training students to become familiar with the use of machines to improve the precision of production and shorten production processes.

**學制：**日間學士班

**中文課名：**生活文化論

**課程概述**

藉由消費行為分析，探討消費者需求與風格設計之關係

**Course of Bachelor**

**Course:** Culture Theory

**Course Outline**

The course makes analysis on consumer behaviors to explore the relationship between consumer demand and stylistic design.

**學制：**日間學士班

**中文課名：**皮革工藝

### **課程概述**

皮革工藝之基礎課程，課程中將介紹綁染、蠟染、基本彫刻技法、麻線手縫、皮件紙型製作，透過理論講授與實務製作使同學習得皮革的材質特性及基本製作技術。

### **Course of Bachelor**

**Course:** Leather Art

### **Course Outline**

It's a fundamental course of leather art, introducing various leather-processing skills such as tie-dye, batik, carving, hand sewing, and so on. Through theory lectures and actual practices, students learn the characteristic of leather art and basic leather-processing techniques.

**學制：**日間學士班

**中文課名：**立體構成

### **課程概述**

啟發學生對於人體的精準塑形力，以及後續的製模程序，對於造形有獨立創作的  
能力。

### **Course of Bachelor**

**Course:** 3D and Composition Art

### **Course Outline**

This course enables students to precisely shape human bodies and control the subsequent molding processes, with the capacity to make independent thinking and creative design.

學制：日間學士班

中文課名：竹材工藝

### 課程概述

1. 竹材認識及竹藝名家作品介紹
2. 竹藝材料如何準備
3. 竹編法示範及實作
4. 竹編作品實作及觀摩討論

### Course of Bachelor

**Course:** Bamboo Art

### Course Outline

1. Introduction to bamboo materials and famous works of bamboo artists
2. Instructions for preparing bamboo art materials
3. Demonstrations of bamboo weaving work and actual work of bamboo
4. Actual practice of bamboo weaving work, as well as observation and discussion

學制：日間學士班

中文課名：竹材工藝進階

### 課程概述

1. 目前國際竹材運用及發展情形。2. 竹雕名家作品介紹。3. 竹雕技法示範及實作。4. 積成竹材工具如何準備。5. 積成竹材烤彎示範及實作。6. 作品觀摩討論

### Course of Bachelor

**Course:** Advanced Bamboo Art

### Course Outline

1. Current applications and development of bamboo materials internationally; 2. Introduction to famous works of bamboo carvings; 3. Demonstrations and actual practice of bamboo carving techniques; 4. How to prepare tools for laminated bamboo materials;. 5. Demonstrations and actual practice in heating and bending laminated bamboo materials; 6. Observation and discussion of works.



**學制：**日間學士班

**中文課名：**色彩學

### **課程概述**

課程介紹色彩三屬性--色相、明度、彩度的概念, 透過色彩的混合、對比感覺與視覺機能, 瞭解影響我們心理的色彩感覺, 透過理論結合理性的分析與感性的色彩體驗, 熟練配色與調和原理, 使能廣泛應用於日常生活與創作上。

### **Course of Bachelor**

**Course:** Chromatics

### **Course Outline**

This course introduces the three major properties of color--hue, value, and chroma. Students will feel the various visual effects through mixing or making contrast of colors, and understand people's psychological sense of color. Through combination of theory study, rational analysis, and perceptual color experiences, students will have a good command of color application in both product design and daily life.

**學制：**日間學士班

**中文課名：**使用者導向設計

### **課程概述**

主要在討論人員、環境與機具間之關係，探討人們在工作與日常生活中，所使用的物品以及所身處的環境，在其設計時所應考慮的人性因素。本課程目標在建立學生設計適合人類運用之設備與工作環境之知識與能力。

### **Course of Bachelor**

**Course:** Human Centered Design

### **Course Outline**

This course discusses the relations among people, environment, and their machines, analyzing how the human factors are considered during the course of product design. This course gives training in the abilities to acquire the knowledge and skills for designing the equipment or even an overall working environment.

**學制：**日間學士班

**中文課名：**服務學習 A

### **課程概述**

為強化學生生涯規劃及職場實務經驗，提升就業競爭力，利用班級活動或課餘時間，在校內相關場館或單位從事與本科專業相關之實務操作、專業見習、展演服務或應用練習等活動。

### **Course of Bachelor**

**Course:** Service Learning A

### **Course Outline**

由學務處生涯發展中心統一翻譯

**學制：**日間學士班

**中文課名：**服務學習 B

### **課程概述**

為強化學生生涯規劃及職場實務經驗，提升就業競爭力，利用班級活動或課餘時間，在校內相關場館或單位從事與本科專業相關之實務操作、專業見習、展演服務或應用練習等活動。

### **Course of Bachelor**

**Course:** Service Learning B

### **Course Outline**

由學務處生涯發展中心統一翻譯

**學制：**日間學士班

**中文課名：**表現技法

### **課程概述**

1.每週規定家庭作業，學生可充分利用較多的時間完成其作品。 2.每週課堂上，嘗試不同領域之不同主題及不同技法，提供學生構思前必須掌握的重點及注意事項，讓學生接觸較廣的領域，增加其廣度的體驗，提昇其彈性應變的張力，無形中也提昇了其設計的能力。 3.強調構想草圖的重要性，且兼顧與數位技術互補的關聯性與效益。

### **Course of Bachelor**

**Course:** Rendering

### **Course Outline**

The course assigns homework every week, allowing students to have sufficient time to complete their assignment; 2. While at class every week, students discusses different themes and try different techniques in different areas to broaden the field of learning; 3. It emphasizes the importance of the concept sketches as complementary skills to digital technology.

**學制：**日間學士班

**中文課名：**近代設計史

### **課程概述**

本課程主要介紹近代設計歷史之演進過程、風格流派、名設計師及團體、設計作品。具備基本設計史概念後，再進行交叉評析風格間的相互影響，使學生具備基礎的世界設計觀。

### **Course of Bachelor**

**Course:** History of Modern Design

### **Course Outline**

The course introduces the evolution of modern design, as well as well-known designers and their masterpieces and styles. After acquiring these basic concepts, students are required to make comments on their styles and thus broaden their global vision of design.

**學制：**日間學士班

**中文課名：**金屬工藝

### **課程概述**

金屬工藝之基礎課程，其內容在使從學習得金屬工藝的相關常識及基本金銀細工製作技術。

### **Course of Bachelor**

**Course:** Fundamental Metalsmithing

### **Course Outline**

It's a basic-level course on metal crafts and jewelry, introducing the basic knowledge of metal and meticulous production techniques for gold and silver.

**學制：**日間學士班

**中文課名：**金屬工藝進階

### **課程概述**

本課程的學習目標為培養金屬細工製作過程的細緻度以及精準度,達到心靈和手與工具間的高度協調.並製作出完高完整度的作品.

### **Course of Bachelor**

**Course:** Advanced Metalsmithing

### **Course Outline**

Students are trained in the degree of intricacy needed for fine metal production processes, as well the degree of precision needed to achieve a high degree of coordination between the mind, hands, and tools, and to produce works with high degree of integrity.



**學制：**日間學士班

**中文課名：**金屬鍛造工藝

### **課程概述**

金屬鍛敲是內沈延展(sinking)與外升壓縮(raising)的通稱，是製造空心立體造形的技法，一種充分運用金屬的延展與收縮成型的技術。課程學習各式鐵鎚與鐵砧的操作技術與運用，瞭解金屬與工具之間的成形對應關係，期能增加金工創作的造形變化及作品的尺寸規模。

### **Course of Bachelor**

**Course:** Metal Forming

### **Course Outline**

This course introduces the forming technique: forging which is used to create hollow 3D objects by sinking and/or raising. Students will learn the function of distinct hammers and anvils. The goal of this course is to extend the range of shapes and sizes of objects that students are capable to make, with a clear understanding of the relationship between the used materials and the hammer/anvil you selected to use.

**學制：**日間學士班

**中文課名：**室內設計

### **課程概述**

室內設計之實務課程，課程重點在觀念的引導及創造力的培養，透過理論講授與手操作的訓練使同學習得從建築內部把握空間，根據空間的使用性質和所處環境，運用物質技術與藝術手段，創造出符合使用者便於生活、工作、學習的理想內部空間環境設計。

## **Course of Bachelor**

**Course:** Interior Design

### **Course Outline**

A practical course in Interior Design. The curriculum focuses on guidance in concepts and cultivation of creativity. Through the training which includes the teaching of theories and actual hands-on operations, students are able to learn to use material skills and artistic means to create an ideal interior space environment designed to meet the user's ease of living, work and study requirements, by mastering the use of space within a building, according to the nature of the space being used and the environment within which it is located.

**學制：**日間學士班

**中文課名：**染纈

### **課程概述**

纖維布料之染色工藝基礎課程，整體課程透過染料、染色的理論與實習操作，經由「絞染」、「蠟染」及「型染」等基礎工藝表現法，使同學從中習得染色技術及基礎製作技法與布花設計應用。

### **Course of Bachelor**

**Course:** Dyeing Study

### **Course Outline**

It's a basic-level fabric-dyeing course, focused on both theory introduction and actual practice. Through training in the "twist dye", "batik dye," "type dye" and other basic dyeing techniques, students will learned how to use these techniques for making the fabrics with floral patterns.

**學制：**日間學士班

**中文課名：**玻璃工藝

### **課程概述**

玻璃工藝之基礎課程，其內容在使學生習得玻璃的相關知識，以及基本的製作技術。玻璃工藝之基礎課程，其內容在使同學習得玻璃的相關常識及基本製作技術。

### **Course of Bachelor**

**Course:** Glass Art

### **Course Outline**

This basic course gives training in both glass-related knowledge and fundamental glass-processing skills.

**學制：**日間學士班

**中文課名：**展示設計

### **課程概述**

由展示設計之操作過程使學生了解相關基本概念與實務，並促使其在專題設計的成果表現中得到最佳的展示效果，取得作品與觀者間的良好互動。

### **Course of Bachelor**

**Course:** Display Design

### **Course Outline**

Through the operational processes of display design, students are able to understand the relevant basic concepts and practices, and they are encouraged to achieve the best results performance in their theme-based designs, achieving a good interaction between their works and the viewers.

**學制：**日間學士班

**中文課名：**珠寶設計與繪圖

### **課程概述**

藉由圖紙珠寶設計繪圖，以符合客戶需求與基本珠寶加工成本概算

### **Course of Bachelor**

**Course:** Jewelry Design and Illustration

### **Course Outline**

Students are trained to make a draft of jewelry design first and, during the course, they will have a better understanding of customers' demand and a better control of cost.

**學制：**日間學士班

**中文課名：**素描

### **課程概述**

1、以鉛筆及碳筆媒材作靜物及石膏像的寫生，課外的作業也要求速寫的練習。2、要求學生除了描繪外還需加強作品的原創力，也就是創意與技巧兼顧，鼓勵同學發展自己的創作。

### **Course of Bachelor**

**Course:** Sketching

### **Course Outline**

1. Students are required to use pencils or charcoal to sketch still life or plaster models;
2. Besides painting skills, students are required to demonstrate creativity in their works.

**學制：**日間學士班

**中文課名：**商品推廣企劃

### **課程概述**

本課程規劃為一學年的課程，屬於畢業設計創作的專業整合課程。帶領學生從最初的資料收尋與分析、設計概念發展、草圖繪製、實驗試片製作，最後實務創作出一系列與主題契合的作品，於學期中有數次邀請校內外專家給予意見，並於一年後舉辦公開性展覽，檢驗其學習成果。

### **Course of Bachelor**

**Course:** Product Development and Planning

### **Course Outline**

This is the second part of the course which is designed to take an academic year. Students learn from a complete process from information collecting, data analyzing, idea generating, draft drawing, experimental object forming, to finally make a formal display of their works. During the whole procedures, this course invites experts from either campus or outside the school to give comments and advises which are very helpful for students to improve their works.



**學制：**日間學士班

**中文課名：**基本設計

### **課程概述**

學習設計的基本原理，培養美、設計概念、激發創意思考，將設計理念、創意具體化。內容以造形的二次元、三次元設計構成為主，理論與實務結合。

### **Course of Bachelor**

**Course:** Basic Design

### **Course Outline**

Students are guided to learn basic principles of design, cultivate aesthetic and design concepts, and spur creative thinking, and then turn design concepts and creativity into practice. Curriculum includes training in 2D and 3D structures, with equal emphasis on theory study and actual practice.

**學制：**日間學士班

**中文課名：**專業實習 A

### **課程概述**

為強化學生生涯規劃及職場實務經驗，提升就業競爭力，在校外相關機構(單位)從事與本科專業相關之實務操作、展演服務、應用練習，或參與產學(建教)合作專案等活動。

### **Course of Bachelor**

**Course:** Professional Project Practical Training A

### **Course Outline**

由學務處生涯發展中心統一翻譯

**學制：**日間學士班

**中文課名：**專業實習 B

### **課程概述**

為強化學生生涯規劃及職場實務經驗，提升就業競爭力，在校外相關機構(單位)從事與本科專業相關之實務操作、展演服務、應用練習，或參與產學(建教)合作專案等活動。

### **Course of Bachelor**

**Course:** Professional Project Practical Training B

### **Course Outline**

由學務處生涯發展中心統一翻譯

**學制：**日間學士班

**中文課名：**專題設計

### **課程概述**

工藝創作課程之設計，旨在鼓勵學生發揮藝術創作的潛能，幫助學生發展個人的藝術風格，並且配合當代的藝術理論教學。於課堂個別討論學生之作品，增進學生對"以工藝材料為媒材"的製作知識與創作能力，鼓勵學生嘗試各類不同的工藝表現手法，激發學生的創造力與拓展其藝術視野。

### **Course of Bachelor**

**Course:** Seminar

### **Course Outline**

The craft creation course has been designed with the aim of encouraging students to develop their full potential for artistic creation, to help them develop their own artistic styles, and to coordinate with the teaching of contemporary art theories. Individual student's works will be discussed in the classroom, to enhance students' production knowledge and creative abilities with respect to 'using craft materials as the media', and students will also be encouraged to try various kinds of different techniques of expression, to stimulate their creativity and expand their artistic field of vision.

**學制：**日間學士班

**中文課名：**產品設計

### **課程概述**

本課程規劃專業產品課程，屬於產品設計創作的進階課程。應用學用平台帶領學生從最初的資料收尋與分析、設計概念發展、草圖繪製、實驗試片製作，最後實務創作出一系列與主題契合的作品，於學期中有數次邀請校內外專家給予意見，並於一年後舉辦公開性展覽並且與企業共構產品量產的實務作業，檢驗其學習成果

### **Course of Bachelor**

**Course:** Product Design

### **Course Outline**

This course is planned for one academic year and is an advanced course in product design creation. An applied learning platform leads students from the initial data collection and analysis, through design concept development, sketch production, experimental test film production, the finally to practicing the creation of a series of themed works. During the semester experts from inside and outside the school will be invited on a number of occasions to give advice and opinions. After one year, a public exhibition will be held, to test the results of learning.

**學制：**日間學士班

**中文課名：**畢業專題設計

### **課程概述**

(趙丹綺老師)本課程規劃為一學年的課程，屬於畢業設計創作的專業整合課程。帶領學生從最初的資料收尋與分析、設計概念發展、草圖繪製、實驗試片製作，最後實務創作出一系列與主題契合的作品，於學期中有數次邀請校內外專家給予意見，並於一年後舉辦公開性展覽，檢驗其學習成果。(劉靜純老師)本課程採取蓋年成型與實作設計的方式上課，學生將在教師引導之下進行產品設計畢業專題的演練，試圖讓學生以「概念跟聯合媒材進行對話與實作執行」，希望藉由此畢業專題的連貫性思考，讓學生可以在學把過去三年在學經驗，使用材質以及設計概念進行一次完整

## **Course of Bachelor**

**Course:** Senior Project

### **Course Outline**

(Prof.Tan-Chi Chao)This course is planned for one academic year and is a professional integrated course for graduates in design creation. Students are led from the initial data collection and analysis, through design concept development, sketch production, experimental test film production, the finally to practicing the creation of a series of themed works. During the semester experts from inside and outside the school will be invited on a number of occasions to give advice and opinions. After one year, a public exhibition will be held, to test the results of learning.(劉靜純老師)This course adopts a class approach of modeling and actual design covering one year. Students will be guided by the teacher to carry out product design graduation exercises, in an attempt to let students 'carry out a dialog and practical implementation using concepts and unified media. It is hoped that through this coherent thinking in graduation topics, students will be able to call on their previous three years of learning experiences, materials used and design concepts, to carry out practical design topics and operational exercises which are completed in one session.

**學制：**日間學士班

**中文課名：**設計心理學

### **課程概述**

本課程將藉由心理學對人的特性的瞭解，引導學生思考設計的理念與信念，進而討論設計的原則與方法，並對生活周遭的物品提出批判與改進的建議。

### **Course of Bachelor**

**Course:** Formative Psychology

### **Course Outline**

The major objective of the course is to help students develop the ability to effectively use the theory of psychology on product design and evaluation.

**學制：**日間學士班

**中文課名：**設計方法

### **課程概述**

本課程主要探討設計的本質、新設計方法的觀點及不同設計階段所適用的方法。相關知識可幫助學生學習邏輯的、科學的和創造性的設計技巧。

### **Course of Bachelor**

**Course:** Design Method

### **Course Outline**

This course will introduce the basic concept of design, design process, and related knowledge to enable students to make logic, scientific, and creative thinking for product design.



**學制：**日間學士班

**中文課名：**設計管理

### **課程概述**

本課程之教學目標旨在使學生瞭解文化創意產業設計與管理的基本概念，並透過文化創意產業之價值鏈分析，強化設計加值與企業管理之關聯性，並進而分析廠商之營運模式。另外本課程亦探討不同文化對品牌策略的影響，先從品牌設計需求端切入，運用消費者對品牌的信任感與消費經驗，建立品牌策略企劃與品牌設計的內涵與基礎。

### **Course of Bachelor**

**Course:** Design Management

### **Course Outline**

The objective of this course is to help students understand the basic concept of the product design and management of the creative cultural industry, as well as the value chain of this industry. This course is focused on how to use creative design to create value-added, and analyzes how the effect differs in different areas of different culture.

**學制：**日間學士班

**中文課名：**造形原理

### **課程概述**

設計基礎課程。瞭解造形設計概要、造形設計構成原理、造形設計構成形式，理論與實務結合。

### **Course of Bachelor**

**Course:** Formative Study

### **Course Outline**

The basic-level course will introduce the principles of forming and styles of form designing, stressing application of theories to actual practice.

**學制：**日間學士班

**中文課名：**陶玻材料學

### **課程概述**

陶瓷及玻璃材料相關知識的學習及應用。內容包括陶瓷、玻璃、釉藥等材料的組成及成分特性的基本認知，以及材料的調整實驗及應用操作等技能。學習重點在於能將相關知識應用於陶瓷及玻璃工藝創作，以及解決相關製作過程中遇到的問題。

### **Course of Bachelor**

**Course:** Materials Science of Ceramics & Glass

### **Course Outline**

This course is concerned with the learning and applications of ceramics and glass materials. The content includes a basic understanding of the composition and constituent characteristics of materials such as ceramics, glass, glazing and so on, as well as modification and testing of materials and skills of application operations. The focus of the study is to apply the relevant knowledge to the creation of ceramic and glass craft work, as well as solving problems encountered during production processes.

**學制：**日間學士班

**中文課名：**陶瓷工藝

### **課程概述**

陶瓷工藝設計之課程，將為統整各種不同的成型技法、燒火方式以及文化美學的創作設計，透過理論講授與實習操作，使同學習得陶瓷的材質特性技術及文化美學的創造工程。

### **Course of Bachelor**

**Course:** Ceramic Crafts

### **Course Outline**

The Ceramic Craft Design course unifies a variety of different molding techniques, firing methods, as well as the creative design of cultural aesthetics, and utilizes the teaching of theory and practical operations, to allow students to learn the material characteristics and skills of ceramics and the creative engineering of cultural aesthetics.

**學制：**日間學士班

**中文課名：**陶瓷工藝進階

### **課程概述**

陶瓷工藝進階為陶瓷工藝之進階課程，教學內容包含對容器美學與陶瓷雕塑的能力並重。教學主軸：一是全面提升學生的陶瓷製作技術，包含拉坯、手塑、模製、裝飾及燒成等技巧；二是藉由實作練習的過程中啟發學生的創作思維，訓練獨立思考與創作之能力。

### **Course of Bachelor**

**Course:** Intermediate Ceramics

### **Course Outline**

It's an advanced course in ceramic crafts, giving equal emphasis on vessel aesthetics and ceramic modeling abilities. Objectives: 1. to comprehensively improve students' ceramic production skills, including drawing out, hand modeling, mold production, decoration and firing skills; 2. to inspire students' creative thinking and train their independent thinking and abilities to make creation through hands-on practice.

**學制：**日間學士班

**中文課名：**陶瓷成形技術

### **課程概述**

讓學生能認識到陶藝媒材豐富的成形技法，並鼓勵學生嘗試各種不同成形的表現手法，並且能熟練運用在學生創作的作品中。

### **Course of Bachelor**

**Course:** Ceramics Shaping Technique

### **Course Outline**

Students come to know the wealth of pottery media formation techniques. Students are also encouraged to try a variety of such different methods of expression in their formation work, and they are trained to become adept at applying these skills in the creation of their works.

**學制：**日間學士班

**中文課名：**陶瓷器皿設計

### **課程概述**

讓學生從陶瓷工藝基本常識、工廠安全及製作技術之基礎開始學習，從實務中去熟悉陶瓷製作之各種方法並瞭解陶瓷的相關知識，進而擬定陶瓷專題設計進行自主設計之實作，並引導學生運用創意融入生活設計之觀念，以建立陶瓷工藝設計與人的生活環境能緊密結合之完整概念。

### **Course of Bachelor**

**Course:** Ceramic House wares Design

### **Course Outline**

Students are able to begin learning from a foundational knowledge of ceramic crafts, studio safety and production skills, becoming familiar with the various methods of ceramic production through practice and through understanding the relevant knowledge of ceramics. They are then able to develop special topics of ceramics design and carry out their own independent designs. Students are also guided in the concept of taking their creativity and integrating it into design in daily life, to establish a complete concept of ceramic handicrafts design that can be closely integrated with the human living environment.

**學制：**日間學士班

**中文課名：**陶瓷雕塑

### **課程概述**

陶瓷雕塑課程之設計，旨在鼓勵學生發揮藝術創作的潛能，幫助學生發展個人的藝術設計風格，並且配合當代的藝術理論教學。於課堂個別討論學生之作品，增進學生對陶瓷材料的製作知識與能力，並培養同學了解當代陶藝主題意義與空間造型之能力。

### **Course of Bachelor**

**Course:** Ceramics Sculpture

### **Course Outline**

The ceramic modeling course is designed to encourage students to bring their full potential for artistic creativity into play, to help them develop their own artistic design styles, and to coordinate with contemporary art theory teaching. Students' works will be discussed individually In the classroom, to improve their knowledge and abilities with respect to producing ceramic materials, and to cultivate an understanding in students of the themes and meanings of contemporary ceramics as well as their abilities to model with space.



**學制：**日間學士班

**中文課名：**傢俱設計

### **課程概述**

本課程以現行傢俱市場與裝潢家具為導向：以造型性、材料性、加工性、功能性、色彩性...等為要件融入傢俱設計中。

### **Course of Bachelor**

**Course:** Furniture Design

### **Course Outline**

This course focus on today's furniture market as well as the furniture made in cope with interior design: form, material, production, function, color, among others are the basic factors to consider for furniture design.

**學制：**日間學士班

**中文課名：**創意設計

### **課程概述**

啟發設計創意，闡明設計哲理，體會設計的真義；訓練學生於設計產品時，能夠以創意的方式進行設計發展，並讓學生了解到設計過程之各種層面的有趣與挑戰，以提升學生之創作及思考能力。

### **Course of Bachelor**

**Course:** Creative Design

### **Course Outline**

Inspire design creativity, clear design philosophy, understand the true meaning of the design; training students in the design of products, the ability to develop creative ways to design and enable students to understand that the design process of a variety of interesting levels and challenges to the learning of creative and thinking.

**學制：**日間學士班

**中文課名：**琺瑯工藝

### **課程概述**

介紹珠寶琺瑯技法，訓練學生具有基本琺瑯製作設計的能力。課程內容包括 1. 認識琺瑯 2. 當代琺瑯作品賞析 3. 認識工具材料設備 4. 琺瑯技法示範 5. 設計主題研發與習作 6. 成品製做作業發表

### **Course of Bachelor**

**Course:** Enameling on Metal

### **Course Outline**

This course introduces jewelry enameling techniques, training students in basic enamel design abilities. Course content includes:

1. Understanding enamel; 2. Appreciation of contemporary enamel works; 3. Becoming familiar with tools, materials, and equipment; 4. Demonstrations of enameling skills; 5. Research, development, and practice of design themes; 6. Production of finished products, assignments and publication.

**學制：**日間學士班

**中文課名：**電腦輔助設計

### **課程概述**

電腦輔助設計為產品設計之實用課程，課程中將介紹電腦繪圖、繪圖指令及 3D 製作與彩現，透過理論講授與實習操作使同學了解電腦輔助設計特性及基本製作技術。

### **Course of Bachelor**

**Course:** Computer-Aided Design

### **Course Outline**

This course introduces the principles and contents of Computer-Aided Design (CAD) program and guides students to develop the capabilities and skills to use the CAD software.

**學制：**日間學士班

**中文課名：**圖學

### **課程概述**

本課程為傳統製圖儀器的手繪教學，為設計草圖繪製及電腦輔助設計之先備課程。主要內容包括幾何圖形繪製，正投影、斜投影、輔助視圖與基礎家具製圖等原理及相關的製圖、識圖能力。

### **Course of Bachelor**

**Course:** Basic Drawing

### **Course Outline**

Students are guided to learn the skills for making traditional manual technical drawing as the foundation for making design sketch and learning advanced computer-aided design. Curriculum includes geometric drawing, orthographic projection, oblique projection and relevant drafting knowledge and abilities.

**學制：**日間學士班

**中文課名：**漆器工藝

### **課程概述**

漆藝工藝之基礎課程，課程中將介紹漆的歷史脈絡、漆藝中所使用的材料出處與製成、漆的各種表現形式及運用在各項材質上處理。藉由理論講授與實習操作使同學學習漆的材質特性及基本製作技術。

### **Course of Bachelor**

**Course:** Lacquer Art Creation

### **Course Outline**

The basic course of lacquer art introduces the historical development of lacquer art, the origin of lacquer material and creation, and all the different forms of lacquer art applied on different materials. Through theory introduction and actual practice, students will learn the features and the basic techniques of lacquer art.

**學制：**日間學士班

**中文課名：**數位平面設計

### **課程概述**

本課程教導學生瞭解電腦輔助設計的相關發展、概念、相關軟體及硬體設備應用。並授與實際操作軟體之技能學生藉由電腦呈現創意設計並利用電腦將自己的創作構想繪製預想圖，使作品在未完成前能有模擬真實成品之圖例，以提昇作品完成前檢討之準確度，且利用電腦協助作品之製作、美化及宣傳發表。(主要教授軟體: 2D( PhotoShop、illustrator ) 3D( Rhinoceros、V-Ray )

### **Course of Bachelor**

**Course:** Digital Graphic Design

### **Course Outline**

This course introduces the concept and development of Computer Aided Design (CAD) software, as well as the application of related software and hardware, teaching students how to use these software programs to sketch out their design ideas on the computer, and make a simulation of the final product before it's actually completed, significantly improving the accuracy of the design blueprint for review before the real products are made. The CAD software can be also used to improve the printouts for public publicity. (Software used for this course: 2D (PhotoShop, illustrator) and 3D (Rhinoceros, V-Ray).

**學制：**日間學士班

**中文課名：**模型製作

### **課程概述**

透過課程講解的介紹，讓學生學習如何應用手工具及機械進行簡易木頭、PU 及塑膠模型製作，以及訓練學生於實際操作時，體驗模型製作之技巧與方法，並且實際技術操作與訓練，使學生了解各類產品原模、模具的完整製作過程。

### **Course of Bachelor**

**Course:** Process of Mold Making

### **Course Outline**

Through introduction and explanation at class, this course teaches students how to use hand tools and machinery for making simple wood, PU, or plastic models. Through actual practice, students may grasp the modeling methodology and skills, as well as the whole procedures for mold-making.



**學制：**日間學士班

**中文課名：**模製陶瓷

### **課程概述**

本課程系以工作室實物操作為主要模式，使學生了解模型製作在陶瓷領域的各種相關運用。課程包含原型設計、各式模具的製作及其不同成型方式。希望藉由了解模具於陶瓷工藝上的運用，激發並提升學生在個人設計創作上的可能性。

### **Course of Bachelor**

**Course:** Ceramics Mold Making

### **Course Outline**

This course uses the physical operations of the studio as its main model, enabling students to understand the various applications relevant to model production in the field of ceramics. The course includes prototype design, the production of various kinds of molds and their different molding methods. It is hoped that through understanding the use of molds in ceramic crafts, the individual design creative potential of students will be stimulated and enhanced.

**學制：**日間學士班

**中文課名：**職場實習(一)

### **課程概述**

一、實施目的：為使本系學生在工藝設計領域學習一定階段後，透過工作現場的實習，吸取相關專長的實務經驗及專業技術，藉收學校理論與實際生產技術密切配合相互印證的效果，厚植未來就業所需的基礎。

二、實施對象：以本系大學部二、三年級學生為優先。

三、實施時間：本課程開設於大學部三年級第一學期，供三、四年級學生選修。而且於開設學期前之暑假實施，二學分，時間一至二個月（實習時數累積至少 160 小時），依各公司規定見習或實習。

四、實習單位：企業機構之選擇，參考依據以下列各項資料加以評估： 1. 良好制度與聲譽。 2.

### **Course of Bachelor**

**Course:** Practical Training (I)

### **Course Outline**

The objective of this course: to give internship opportunities to the students who have completed several courses on craft design, to practice professional skills and accumulate working experience, applying what they have learned at school to the working place. It's an effective means for students to verify their theoretical studies at class, and strengthen their foundation for career development in the future.

**學制：**日間學士班

**中文課名：**職場實習(二)

### **課程概述**

一、實施目的：為使本系學生在工藝設計領域學習一定階段後，透過工作現場的實習，吸取相關專長的實務經驗及專業技術，藉收學校理論與實際生產技術密切配合相互印證的效果，厚植未來就業所需的基礎。

二、實施對象：以本系大學部二、三年級學生為優先。

三、實施時間：本課程開設於大學部三年級第一學期，供三、四年級學生選修。而且於開設學期前之暑假實施，二學分，時間一至二個月（實習時數累積至少 160 小時），依各公司規定見習或實習。

四、實習單位：企業機構之選擇，參考依據以下列各項資料加以評估： 1. 良好制度與聲譽。 2.

### **Course of Bachelor**

**Course:** Practical Training (II)

### **Course Outline**

The objective of this course: to give internship opportunities to the students who have completed several courses on craft design, to practice professional skills and accumulate working experience, applying what they have learned at school to the working place. It's an effective means for students to verify their theoretical studies at class, and strengthen their foundation for career development in the future.

**學制：**日間學士班

**中文課名：**蠟雕與脫蠟鑄造

### **課程概述**

蠟雕與脫蠟鑄造技法，以不同軟硬度蠟材，應用蠟材易於雕刻塑形加上金屬融熔隨形凝結特性，結合蠟材塑形變化與翻鑄不同金屬所展現的多樣色澤，在造形上具有細密寫實的立體表現優勢。並可藉橡皮模或石膏模為中介媒材開模複製，在原形開發上可節約人力、時間與經費，使創作者在創意與設計形式發展上，更能自由發揮無限想像空間。課程學習蠟雕技法與應用，解說脫蠟鑄造流程及示範後製工序處理，並介紹當代珠寶金工常見的表現技法，期能增進金工的創作發展空間及與產品開發潛力。

### **Course of Bachelor**

**Course:** Modeling in Wax and Lost Was Casting

### **Course Outline**

This course gives training in the wax and lost wax casting techniques. Because the wax materials are of various degrees of hardness, they are easy to be shaped or carved, meeting the demand of designer to turn the wax into various kinds of media. No matter it's made as the designer's original design or cast in the form of existing object, metal lost wax casting enjoys the advantages of great freedom to be delicately shaped as the real objects. Most wax casting is made with rubber molds or gypsum molds as the intermediary medium. It can save manpower, time and money in prototype development, allowing creators more freedom of expression in the design and production of form, while at the same time meeting mass production demands. Wax carving techniques and applications are learned in this course, with explanations of lost wax casting procedures and post-demonstration treatment processes, and an introduction to commonly used contemporary jewelry and metalworking techniques, with the aim of enhancing students' creative development space in metalworking and their product development potential.