

湖南工艺美术职业学院  
HUNAN ARTS AND CRAFTS VOCATIONAL COLLEGE

---

# Jewelry Design and Craft Major Talent Training Program in 2020

Decorative Art Design Department

June 2020

# Contents

I. Professional name and code.....	1
II. Enrollment object and academic system.....	1
III. Employment orientation.....	1
IV. Training target.....	1
V. Training specification.....	1
(I) Knowledge requirements.....	1
(II) Ability requirements.....	2
(III) Quality requirements.....	2
VI. Course development and course system.....	3
(I) Typical work task and professional ability analysis.....	3
(II) Project oriented modular course system design.....	3
VII. Course description.....	6
(I) Professional quality work-study module course description.....	6
(II) Project oriented work-study module course description.....	9
(III) Employment and innovation entrepreneurship module course description.....	12
VIII. Professional core curriculum standard (see Annex).....	13
IX. Teachers resources and requirements.....	13
(I) Professional leader requirements.....	13
(II) Full-time teacher requirements.....	13
(III) Part-time teacher requirements.....	13
X. Configuration and requirements of practical teaching conditions.....	14
(I) Configuration and requirements table of the practical teaching conditions in school.....	14
(II) External practice teaching conditions and requirements.....	15
XI. Teaching arrangement.....	17
(I) Teaching schedule.....	17
(II) Practice teaching schedule.....	20
(III) School hours and credit allocation table.....	21
XII. Graduation requirements.....	21
(I) Credit requirements.....	21
(II) Certificate requirements.....	21
Annex 1.....	24
Course Standard of Jewelry Design 1.....	24
Annex 2.....	28
Course Standard of Gold and Silver Jewelry Making Process 1.....	28

## I. Professional name and code

Professional (direction) Name: Jewelry Design and Craft Major

Professional code: 650118

## II. Enrollment object and academic system

Enrollment object: High school graduates, secondary vocational school graduates or the same educational level

Academic system: three years

## III. Employment orientation

Jewelry Design and Craft Major professional occupation (group) table

Category	Professional Post
Initial employment post	Jewelry design stuff
	Jewelry maker
	Jade carving stuff
Career development post	Jewelry designer
	Jewelry sample designer
	Jade carvers
Career transfer post	Handicraft designer

## IV. Training target

Cultivate and support the Party's basic line, adapt to the needs of the first line of production, construction, service and management in the jewelry industry, and develop comprehensively in virtue, intelligence, body and beauty, has the theoretical knowledge and professional knowledge necessary for the corresponding positions in the jewelry industry, strong design innovation consciousness, independent entrepreneurship spirit, high artistic accomplishment, jewelry ability and certain management knowledge, capable of designing and managing high-quality technical talents in jewelry design, new product development, jewelry plate making, and design management.

## V. Training specification

### (I) Knowledge requirements

1. Master Marxism Leninism, Mao Zedong thought, Deng Xiaoping theory, three representatives and socialism with Chinese characteristics, and master the relevant philosophy, politics, economics, professional ethics, and legal common sense;
2. Master basic Chinese knowledge, general practical writing knowledge and industry writing knowledge;
3. Master the basic language knowledge and basic English writing knowledge;
4. Master the basic knowledge of computer application and knowledge of aided design;
5. Master the common sense of national defense, safety education and health knowledge;
6. Master basic historical knowledge of Arts and crafts, basic knowledge of Jewelry industry development and Jewelry Design and Craft;
7. Master the basic knowledge and professional knowledge of jewelry design, with the basic knowledge of jewelry design, jewelry plate making, jade design and carving;
8. Grasp the use of jewelry craft machinery equipment and various design software;
9. Familiar with the development trend of the jewelry design industry and master the

knowledge of marketing, market research, etc.

## **(II) Ability requirements**

1. Ability of integrating the knowledge of philosophy, law and other disciplines to analyze and solve problems;
2. Ability of using native language, English and etiquette knowledge to read, communicate and communicate with people properly;
3. Ability of using computer network to collect and organize information;
4. Ability of learning how to get along with others, and collaboration;
5. Ability of learning how to learn all kinds of knowledge and professional skills, strive to improve the ability of innovation and entrepreneurship, consolidate the ability of personal sustainable development;
6. Have a strong foundation of art modeling and painting capabilities;
7. Have a good ability to write and continue to learn;
8. Grasp the ability to draw sketches of freehand design to accurately express design ideas and ideas;
9. Grasp the method of jewelry design, with the ability to express creatively, draw jewelry structure diagrams and renderings;
10. Have the ability to customize high jewelry and creative jewelry design;
11. Master the ability to make jewelry silver plate, wax plate making and jade carving based on the design drawing;
12. Understand and pay attention to the latest developments in the profession and master design skills related to jewelry design and similar fields;
13. Grasp the direction of professional development in a timely manner, with certain design and management capabilities

## **(III) Quality requirements**

1. Have high political ideological quality: love the motherland, uphold the leadership of the Communist Party of China, adhere to the four basic principles, abide by the law and rules; have the correct outlook on life, the socialist core values and the world outlook;
2. Have good physical and mental quality: take active physical training, keep good physical health; channel bad mood and form healthy psychology;
3. Have noble moral quality: develop good personal morality, such as respecting the old and loving the young, kind to people, credibility and integrity, unity, and cultivate correct professional ethics, such as loving post, discipline, dedication, initiative and innovation;
4. Have higher aesthetic interest: distinguish between beauty and ugliness, positive and optimistic attitude towards life and work, enjoy the beauty, be a noble and rich person in life, and with excellent EQ;
5. Have a good professional ethics, a strong professionalism; have strong communication and collaboration skills, have a good team spirit;
6. Love jewelry design career, with a certain degree of literary, artistic accomplishment and humanities science literacy.

## VI. Course development and course system

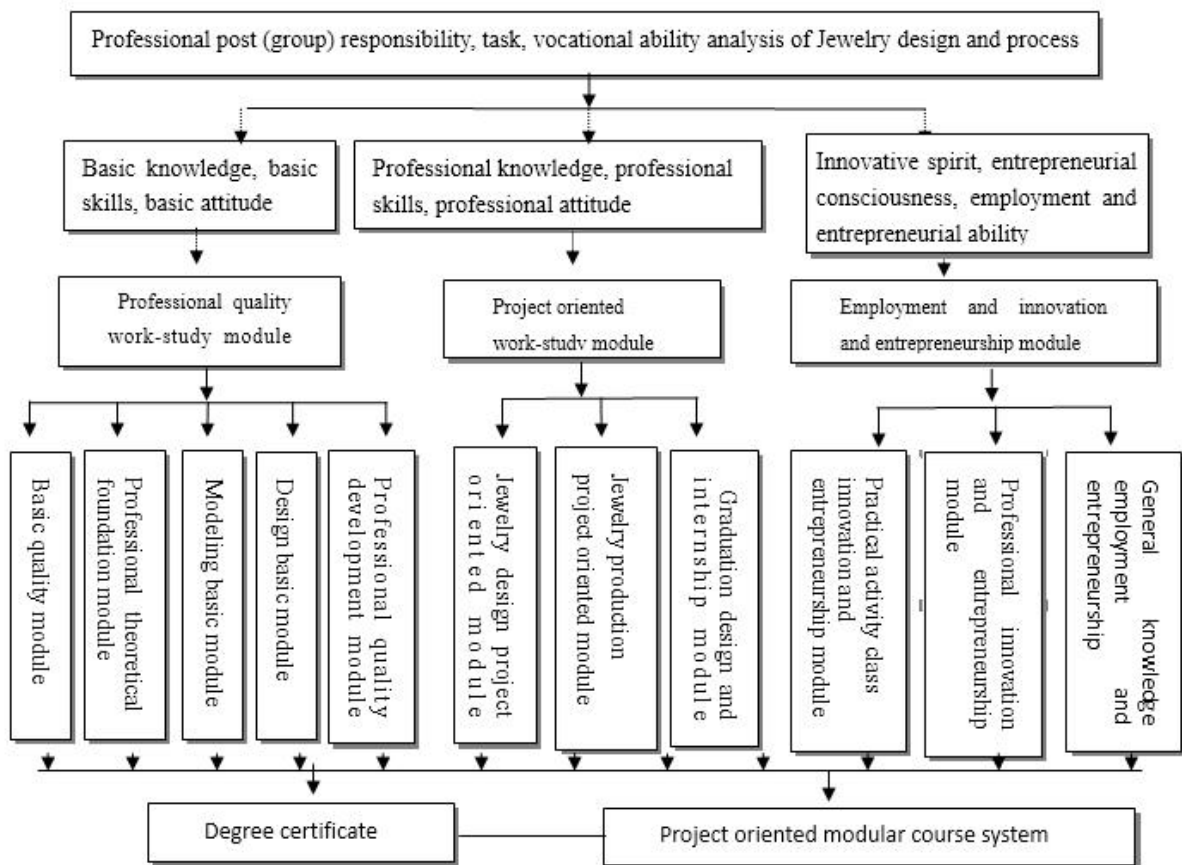
### (I) Typical work task and professional ability analysis

Jewelry design and process professional typical tasks and professional capability analysis table

Work Areas	Typical Tasks	Professional Abilities
1. Jewelry design	1.1 Develop jewelry product projects in accordance with company development requirements;	1.1.1 Design of various kinds of themed creative jewelry; 1.1.2 Design of various materials for creative jewelry; 1.1.3 Advanced thematic designs for various types of rings, pendants, earrings, wrist ornaments, chest ornaments and kit jewelry;
2. Gold and silver jewelry processing	2.1 According to the design requirement, accurately select the corresponding metal production process and produce products that meet the requirements;	2.1.1 Grasp the basic modeling process of gold and silver; 2.1.2 Various metal surface treatment technologies and processes; 2.1.3 Filament, cutting traditional craft; 2.1.4 Jewelry inlaid process;
	2.2 According to the design drawings, hand-carved wax modeling;	2.2.1 Accurately understand the design artwork; 2.2.2 Accurately use wax sculpture skills expression design; 2.2.3 Accurately produce all types of wax carving jewelry products that meet the follow-up process requirement, master the casting process;
	2.3 According to the design requirement, JewelCAD computer jewelry release modeling;	2.3.1 Use JewelCAD software to draw jewelry parts; 2.3.2 Use JewelCAD software for relief, three-dimensional jewelry drawing; 2.3.3 Use JewelCAD software for various types of rings, pendants, earrings, wrist ornaments, chest ornaments and kits; 2.3.4 Use JewelCAD software for creative drawing of jewelry;
3. Jade carving	3.1 Conduct traditional theme of jade carving;	3.1.1 Have the ability to identify and appreciate common jade materials on the market; 3.1.2 Master the traditional jade carving process and skills; 3.1.3 Be able to master the jade carving techniques under various themes of plants, animals and characters;
	3.2 Creative jade carving design and carving.	3.2.1 Have the ability to identify and appreciate common jade materials on the market; 3.2.2 Master the history of the development of Chinese traditional jade craftsmanship; 3.2.3 Master the traditional arts and crafts of jade carving and carry out jade creative design and carving.

### (II) Project oriented modular course system design

1. Jewelry design major project oriented modular course system composition diagram



## 2. Project oriented modular course composition form of Jewelry design and process

Primary module	Secondary module	Course
Professional quality work-study module	Basic quality module	Introduction of Mao Zedong thought and theory system of socialism with Chinese characteristics, ideological and moral cultivation and legal basis, college Chinese, practical writing, college English, computer application basis, physical culture, psychological health education, military lesson, situation and policy, college students' well-being and security education
	Professional theoretical foundation module	Chinese and foreign arts and crafts history, Modern design history
	Modeling basic module	Design sketch, design color, design composition
	Design basic module	Chinese and foreign Jewelry history, Jewelry drawing, Jewelry Design and Craft basis, Jewelry physics, Jewelry composition and preliminary design
	Professional quality development module	Chinese traditional culture selection, aesthetic introduction, art appreciation etc.
Project oriented work-study module	Jewelry design project oriented module	Jewelry market inspection, jewelry performance techniques, jewelry design 1, jewelry design 2, JewelCAD computer jewelry design, Photoshop, integrated jewelry design
	Jewelry production project oriented module	Gold and silver jewelry production process 1, gold and silver jewelry production process 2, jewelry material technology, jade design and carving process 1, jade design and carving process 2, jade design and carving process 3
	Graduation design and internship module	Graduation design, working as an intern, and taking a vacation as an intern.
Employment and innovation and entrepreneurship module	General knowledge employment and entrepreneurship module	Vocational college students' careers and development planning, entrepreneurship foundation, employment guidance, entrepreneurial marketing practices, negotiation methods and techniques, entrepreneurship laws, etc.
	Professional innovation and entrepreneurship module	Fiber art, creative sculpture
	Practical activity class innovation and entrepreneurship module	Innovation and entrepreneurship competitions, career planning competitions, innovation projects, entrepreneurship practice, entrepreneurship training, etc.

## **VII. Course description**

### **(I) Professional quality work-study module course description**

#### *1. Introduction of Mao Zedong thought and theoretical system of socialism with Chinese characteristics (64 hours)*

This course is centered on China's of Marxist theory, focuses on teaching the Communist Party's historical process of integrating Marx's basic principles with Chinese reality, help students grasp systematically Mao Zedong thought and the theoretical system of socialism with Chinese characteristics, enables students deeply understand the importance of adhering to the guiding position of Marxism to realize the great rejuvenation of the Chinese nation, and firmly believe in the ideal of the socialist road with Chinese characteristics under the leadership of the party.

#### *2. Ideological and moral cultivation and legal basis (48 hours)*

This course integrates the basic positions, viewpoints and methods of Marxism comprehensively, take the correct outlook on life, values, morality, legality and integrity education as the basic content, help students to establish the ideal and belief of science and the value concept of serving the people, and guide the college students to improve their ideological and moral quality, legal quality, honesty and moral consciousness, and be the socialist builder and successor with “ideals, morality, culture and discipline”.

#### *3. College Chinese (64 hours)*

This course is a cultural compulsory course, which takes the humanistic quality education as the core and integrates the tools, knowledge, basic, ideological, aesthetic and humanistic of Chinese education, and it belongs to the basic quality module course. This course aims to cultivate students' basic knowledge of literature, oral expression and writing, and to learn Chinese excellent traditional culture; improve students' reading ability, appreciation ability, aesthetic ability, oral expression ability and written expression ability; enables students have certain literary accomplishment, artistic accomplishment and aesthetic quality, so as to enhance their comprehensive quality, and lay a solid foundation for professional learning, and for future employment and continuing learning.

#### *4. Application writing (36 hours)*

This course aims to train students to master the basic theory and basic knowledge of application writing, grasp the characteristics and norms, and writing requirements of commonly used administrative documents, transaction documents and special documents; through in-depth analysis and research of model essay, and with more practice, write diligently, repeatedly modify and persist in practice, gradually turn book knowledge into practical ability, and truly improve the writing ability of practical writing; improve students' comprehensive quality, to meet the needs of the students daily study, life and the future work to lay the necessary basis, and lay a solid foundation for the sustainable development of students' career.

#### *5. College English (140 hours)*

This course is one of the humanities literacy courses required by non-English majors in vocational colleges. It is also a continuation of English Curriculum in high school or vocational middle school, and serves as a connecting link in the professional talents training system. This course aims at workplace communication, for the purpose of application, cultivate students' ability of practical English application, especially listening and speaking abilities; at the same time, master effective learning methods, enhance independent learning



ability and improve humanistic quality, therefore, it is also an important part of the implementation of humanistic quality education in our department. This course mainly studies the first and the second volume of the fourth edition of *New Practical English Comprehensive Course*, and the main content involves clothes, food, shelter, travel and other daily life themes.

#### 6. *Computer application foundation* (28 hours)

This course is designed to enable students to skillfully use Windows 7 operating system and Office2010 application software, equipped with the basic knowledge of computer network, and the ability skillful using Internet to collect data, read data and make use of data. Cultivate students' ability of finding problems, analyzing and solving problems, and the consciousness of self-directed inquiry learning in the process of learning. This course focuses on basic skills as well as practical training, to enable students take part in the computer proficiency emanation after completing the course study.

#### 7. *Physical culture* (108 hours)

This course mainly includes athletics, ball games, sports dance, aerobics and so on. It is a public compulsory course that takes student body practice as the main means, through reasonable sports education, and scientific process of physical exercise, to strengthen fitness, improving health and improve sports quality as the main goal, it is an important part of the school curriculum system, and a central link of school sports work. This course is an effective way to achieve quality-oriented education and train students to adapt to the society and improve their personality.

#### 8. *Psychological health education* (20 hours)

This course is a public course integrates with knowledge imparting, psychological experience and behavior training. This course aims to make students be clear the standard and significance of psychological health, enhance their awareness of psychological health care and psychological crisis prevention, and master and apply the knowledge of psychological health, learn the basic skills and methods of maintaining physical and psychological health, and enhance self-protection ability, improve self-cognitive ability, interpersonal communication ability, self-adjustment ability, etc., improve the psychological quality, provide intelligence support for students' healthy growth and promote their all-round development.

#### 9. *Military lesson* (60 hours)

Freshmen's entrance education and military training are early educational activities carried out regarding the characteristics of higher vocational college students, including national defense education module, behavior development education module, school history and school culture cognition module, and professional cognitive education module, the college takes freshmen's entrance education and military training as the opportunity and breakthrough, to enable freshmen understand the college, understand their majors and understand their learning tasks, and form the purpose of three years of holistic cognition of higher vocational education.

#### 10. *Situation and policy* (40 hours)

This course is under the guidance of Marxism Leninism, Mao Zedong thought and the theory of socialism with Chinese characteristics, closely related to the international situation, in particular, the situation of China's reform and opening up and socialist modernization, carry out situation and policy education and teaching according to the actual situation of students, help students understand the world and China's general trend of development, and guide

students to accurately understand the party's line, principles and policies, cherish and maintain the overall situation of the country's stability, enhance the confidence and sense of social responsibility to achieve the grand goal of socialist modernization.

11. *College Students' growth guidance and safety education* (24 hours)

This course is a cultural compulsory course to highlight experience and practice, aims to improve students' scientific and cultural quality and moral quality, guide students to form the correct ideal belief, core value and ability accomplishment, and achieve harmonious development of body and mind. The course teaching is guided by Marx Lenin doctrine, Mao Zedong thought, Deng Xiaoping theory and the important thought of “Three Represents”, taking the education of ideals and beliefs as the core and patriotic education as the key point, based on the ideological and moral construction, and the all-round development of college students as the goal, help students achieve the optimization and transformation of attitudes, attitudes and behaviors, be the builder and successor of the socialist cause with Chinese characteristics of all-round development of morality, intelligence physique and aesthetic.

12. *Chinese and foreign art history* (36 hours)

This course enables students to understand and master the characteristics and laws of the development of arts and crafts in different historical periods, and be familiar with the design ideas and styles of different arts and crafts at home and abroad; master the characteristics of the important handicrafts in different periods, and perform good appreciation and evaluation of the works of arts and crafts with applied knowledge; can successfully apply the achievements of Chinese and foreign arts and crafts to innovate and practice the integration of tradition and modern, East and West, and improve students' theoretical literacy and comprehensive ability in design practice.

13. *Modern design history* (36 hours)

This course enables students to understand the laws and characteristics of design and development in different stages of the industrial revolution for 150 years, and familiar with the design concepts and style characteristics of different periods; master the design ideas of important design works or designers in different periods, can perform good appreciation and evaluation of design works with applied knowledge; learn to extract design elements from successful cases and create design works that are suitable for the needs of today's times, so as to enhance students' theoretical literacy of design practice.

14. *Carved clay modeling* (56 hours)

This course uses oil sludge as a medium, through the learning of clay mud sculpture and sculptured theoretical knowledge, and then through practical operation, thereby improving students' ability to grasp the shape, space, and sense of things, the performance of texture, and the expression of various styles. As well as the ability to finely sculpt and shape, students are trained to use a variety of tools and three-dimensional space modeling capabilities to lay the foundation for jade carving.

15. *Line drawing in brush style* (140 hours)

This course is designed to improve the students' ability to paint freehand, mainly to teach the performance of various basic techniques of drawing, understand the use of brush and hard pen to outline the lines, through the training to achieve the ability to grasp the lines, so that make the lines are smooth, with light and heavy strokes, such as line drawing effect, the exact shape in place, lay the root for hand-painted jewelry performance techniques.

16. *Design sketch* (42 hours)

The purpose of this course is to cultivate students' spatial modeling ability, thinking creativity and aesthetic appreciation. Students should understand the concept of hand sketching, classification of sketch types, material characteristics, and tool usage skills, and more importantly, the way of thinking in the creative process. Grasp the principles of perspective, classification, and representation of perspective effects. Grasp the basics of light, light and darkness, and light and shadow expression methods. Master the composition method and style. Master material characteristics and performance techniques. Students should be skilled in painting skills, improve their performance and artistic aesthetics, and create creative works. Through continuous training, students' understanding of concepts such as perspective, proportion, light and shade and composition can be strengthened and applied in the process of designing performance.

#### *17. Design composition (56 hours)*

The flat color composition and three-dimensional composition are the basic professional courses for design education, focusing on the research points, lines, surfaces and other constituent elements to create new forms and shapes. Through learning, students can master the formal beauty rules and laws of modeling. Color composition uses the concepts of modern science and modern art, applying science to the various elements of color, and applies various elements of color to form various harmonic components, cultivate students' basic ability to organize, summarize and reconcile color, and fully apply to design. The three-dimensional structure requires students to grasp the basic rules of formation, strengthen the imagination and creativity of the three-dimensional space, and improve the understanding of the rules of formal beauty in three-dimensional composition design. This cultivates students' spatial modeling ability, thinking creativity and artistic aesthetic ability.

### **(II) Project oriented work-study module course description**

#### *1. Jewelry performance techniques (70 hours)*

Jewelry performance techniques are based on the basic principles of performance techniques and open up the students' creative thinking training hand-painted professional courses. Through the study of this course, students can master the basic structure of jewelry, understand the materials and characteristics of the painting tools, and skillfully demonstrate the texture of various materials; exercise student shape induction, abstraction, and other techniques of styling techniques to improve students' styling, materials, and jewelry and make them have a deeper understanding of the process. Students are trained to use techniques they learned to effectively communicate and quickly record design inspiration, fully express the creativeness of the jewelry's artistic design, and take into account the practical performance of jewelry. The focus of this course is on cultivating students' ability of graphic expression and hand-painted renderings, and laying a solid foundation for subsequent courses such as jewelry design and processing.

#### *2. Jewelry design 1 (84 hours)*

This course is a design course based on the basic theory and design method of jewelry design, developing students' creative thinking while training hand-painted expression skills. Students are required to master the design capabilities of kit jewelry, creative jewelry, and advanced custom jewelry on the basis of proficiency in a variety of jewelry representations. In this way, students can create creative designs based on different styles, materials and crafts, and various types of jewelry and draw creative jewelry design paintings that meets industry standard.

#### *3. Jewelry design 2 (70 hours)*

This course is a targeted, specialized creative design course for students after they have mastered jewelry design performance techniques and jewelry design skills. The purpose is to train students to analyze the positioning and characteristics of the project according to the actual product design requirement of the company, and to carry out the jewelry design from simple to complex. Improve students' comprehensive adaptability and design creativity for jewelry design work, develop the overall quality of jewelry design work that meets market demand and technical processing, and lay the foundation for graduation design.

#### 4. *JewelCad computer jewelry design* (84 hours)

Use JewelCAD (Jewel Computer aided design) to achieve the transformation of the 3D visual design of the jewelry's graphic design, to complete the 3D visual design of the jewelry, and to provide materials for the rapid prototyping of jewelry CAD design. Students need to master the basic knowledge of 3D software modeling technology, the basic idea of modeling, the principles and methods of solid modeling and surface modeling, and the ability to use JewelCAD for product modeling and rendering design.

#### 5. *Photoshop* (56 hours)

This course is an important course that uses Photoshop for design expression and post-processing. Photoshop is one of the tooling software for jewelry design professionals for design expression and post-processing. Through the study of this course, students are required to be familiar with the use of software tools, and to master Photoshop's capabilities in image drawing, image processing, and other aspects in the concrete affairs such as post-processing of graphic design and jewelry design work.

#### 6. *Comprehensive jewelry design* (70 hours)

This course requires students to comprehensively use the knowledge of jewelry design theory and reasonably select jewelry production materials to reflect the jewelry design, material aesthetics, and the craftsmanship of the production process, emphasizing the presentation of creative and divergent thinking. According to the theme of design and creation, the completion of the design of jewelry drawings and finished jewelry production. Expand the students' professional quality and professional technical skills.

#### 7. *Jewelry market inspection* (28 hours)

This course is an off-campus market inspection course. Through the inspection of jewelry manufacturing and distribution centers in Guangzhou, Shenzhen, and Beijing, students can intuitively understand the industry situation, broaden our horizons, collect design materials, and thoroughly understand the company's requirement for talents, especially the requirement for designing talents. Observe the characteristics of each place they visit. Find the future development direction by observation and places that students need to study further.

#### 8. *Gold and silver jewelry making process 1* (84 hours)

Proficient in the basic process of metal modeling, such as sheeting, drawing, sawing, melting, welding, polishing, inlaying, etc., familiar with the use of all jewelry machinery and tools, produce silver version of silver ornament. Further master the metal sculpting ability; mainly complete the hammering and forging of the metal until forming. The forgeable vessels and three-dimensional modeling jewelry can realize the metalworking sculpting ability with artistic effects from metal raw materials to jewelry and utensils with three-dimensional modeling effects.

#### 9. *Gold and silver jewelry making process 2* (70 hours)

This course is an extension of knowledge and training in the production process after the

continuing course. The curriculum will be based on the craftsmanship of jewelry, focusing on the ability to train students' jewelry releases. Jewelry is divided into two methods: hand-carved wax plate and metal plate. After learning the students will master the basic process of carving wax and the process flow of lost wax cast jewelry, and complete the jewelry works independently. The silver version of the jewelry exercise will be combed to solve the student's knowledge in the early stage of jewelry production difficulties and through training to enhance the skills of the production process and the ability to grasp the material properties.

#### 10. *Jewelry material process* (84 hours)

The jewelry materials craft course is based on jewelry making materials, and is based on the production process. It also restarts students' creative inspirations and aesthetic considerations for various materials and techniques, and trains students with different design ideas for the same craft, and has unique applications for different materials. Help students dig out and explore the use of cross-border materials and improve creative creativity. Through practical training, students will strengthen their skills in jewelry making, master a variety of jewelry techniques, and conduct thematic creation and the ability to complete physical production based on design drawings.

#### 11. *Jade design and engraving process 1* (70 hours)

This course is mainly based on jade carving techniques, combined with the diversified thinking of comprehensive materials, and the tactile sense of hands and things, techniques and arts, to the transcendence of skills, allowing students to master the "craft" and "material", "beauty" and " "how to perceive things, to think about, discover and understand the correct and reasonable learning methods of the problem; and to master the whole process and skills of selecting a material, selecting materials, designing materials, and polishing jade to finish polishing the finished product. Train students' artistic design ability, three-dimensional modeling ability, and appreciation and evaluation ability.

#### 12. *Jade design and sculpture process 2* (70 hours)

Through learning jade carving craftsmanship, students can further master the common crafts of making jade jewelry, such as the jade crafts in Liaoning, the Shoushan stone crafts in Fujian, the chrysanthemum crafts in Hunan, etc., and master the characteristics of the making materials, and handcraft the jade jewelry. The entire process flow forms a more systematic understanding. According to the design artwork, jade jewelry products can be produced, and at least one of the characters, flowers, animals, and utensils can be sculpted, and the ability of carving characters, flowers, animals, and utensils can be mastered.

#### 13. *Jade design and sculpture process 3* (70 hours)

This course is based on the jade carving process and requires students to integrate the knowledge they have learned to design and produce jade, and to train students to use different jade materials to skillfully use jade carving techniques. Through practical training, students can draw artwork based on design themes and create the ability to complete jade works with certain technical difficulty and high artistic level.

#### 14. *Graduation design* (112 hours)

*Graduation Design* is a comprehensive practice course of jewelry design and craft major, which is a very important practical teaching link in personnel training and it is the summary, promotion and application of knowledge learned in the past three years. In the creation of the

graduation works, requires students to integrate use of mastered theoretical knowledge and skills, design work to meet the requirements, and submit design copy and graduation design summary report, and improve the ability to solve design practice problems and achieve the training goal of high-quality skilled talents.

According to the graduation requirements of graduates for this major, the graduates must complete a comprehensive design work for a set of jewelry design plans within a specified period of time, including drafting of sketches, drawing of renderings, and completion of jewelry production. At the same time, graduation project should be completed in connection with the design proposal as well as design summary report and graduation thesis defenses. As graduation design instructors, teachers must strictly follow the requirements of the graduation instructions to group and guide students' graduation design, guide students' thinking, solve problems and difficulties encountered in the design process in time, and urge students to complete high-quality graduation design, and at the same time, guide the writing of the corresponding graduation design summary report.

#### 15. *Post internship* (168 hours)

This course is a graduate design and post practice module course in project-oriented work-study module of Jewelry Design and Craft major. Post internship is an important teaching link, and a practical form of teaching that under the guidance of the practice instructor, students apply their knowledge and skills learned in this course, participate in the design and production practice of enterprises, familiar with operation skills and workflow, accomplish certain design and production tasks, and develop good career habits.

#### 16. *Vacation substituted post exercitation* (336 hours)

This course is an internship placement course in the project-oriented work-study module of Jewelry Design and Craft major. It is completed during the second semester and the fourth semester. It is an important teaching link. Students apply knowledge and skills that they use to study in the field and under the guidance of the teacher, participate in enterprise design and production practice, familiar with the operating skills and work processes, complete certain design and production tasks, develop a practical teaching style of good professional habits, lay a good foundation and accumulation for the future career Operation experience.

### **(III) Employment and innovation entrepreneurship module course description**

#### 1. *Career and development plan for vocational college students* (16 hours)

This course is a public compulsory course for all college students, aims to guide students to master the basic theories and methods of career planning, stimulate the independent consciousness of college students' career development, have a clear understanding of oneself, occupational characteristics and social environment, and master self-exploration skills, information search and career decision-making skills, consciously improve professionalism and career management ability, and guide students to establish a positive and correct outlook on life, values and careers, and encourages college students to plan their future development rationally.

#### 2. *Employment guidance* (16 hours)

This course is a public compulsory course for all college students, aims to guide students to understand the employment situation and policies and regulations, master basic labor market information, relevant vocational classification knowledge, and master job skills, improve general skills such as communication skills, self-management skills and interpersonal skills, guide students to establish a positive and correct outlook on life, values and careers, and effectively encourages college students to find jobs and self-employment.

### 3. *Entrepreneurial foundation* (32 hours)

This course is public compulsory courses for all college students, through developing entrepreneurship-based teaching, enables students master basic knowledge and basic theories of entrepreneurship, and familiar with the basic process and basic methods of entrepreneurship, understand the laws and regulations and policies related to entrepreneurship, stimulate students' sense of entrepreneurship and improve their sense of social responsibility, creativity and entrepreneurship, so as to promote students find jobs and with overall development.

### 4. *Innovation and entrepreneurship practice course* (18 hours)

This course is designed to create good professional atmosphere and innovative entrepreneurial atmosphere as the mean, regularly carry out professional training, innovation training, entrepreneurship exercise, innovative and entrepreneurship competition, professional competition, entrepreneurship training, creation class, entrepreneurial practice, creative market, innovation and entrepreneurship achievement exhibition and other multi-form, multi-carrier activities, comprehensively improve students' professional quality, professional skills and innovation and entrepreneurship.

## **VIII. Professional core curriculum standard (see Annex)**

### **IX. Teachers resources and requirements**

#### **(I) Professional leader requirements**

The major should allocate double leaders, hire extramural senior experts from industry enterprises as professional leaders, select influential senior professional and technical personnel in the school as professional leaders. The professional leader of school enterprise has the spirit of dedication and innovation, and has rich professional practice ability and experience in the professional field; have a deep understanding of the major, can accurately grasp the professional development direction, familiar with the latest development of the industry, has the overall design and management ability for the professional development; host the reform of professional training mode and the construction of course system, have the ability to lead professional teaching team; has the ability to host teaching, training and practice training base construction projects; can guide young teachers in teaching and social services.

#### **(II) Full-time teacher requirements**

Have higher education qualification and bachelor degree or above, in principle, have over two years working experience in this field, and have obtained the corresponding qualification certificate; with noble morality, rigorous scholarship, master the concept of modern vocational education and teaching methods, able to lecture more than one course, participate in practice teaching and achieve good teaching results; closely related to industry and related enterprises, host or participate in school enterprise cooperation or related professional and technical services; able to participate in the research of teaching reform and professional technical topics.

#### **(III) Part-time teacher requirements**

Have senior professional qualification or intermediate or above professional qualification, in principle, have more than 5 years' experience in the first line of business, and solve the technical problems in the production process; strong language skills, master certain vocational education methods, has certain teaching ability, can undertake teaching tasks; has the ability to participate in the formulation of talent training programs, course development and

construction, and the compilation of related teaching documents.

## X. Configuration and requirements of practical teaching conditions

### (I) Configuration and requirements table of the practical teaching conditions in school

Experimental Training Rooms	Device Configuration	Equipment Functions and Requirements	Ability Training
1. Jewelry Design Studio	Workbench, chair	1 set/person	Grasp the hand-painting skills of jewelry performance techniques, including three-dimensional view of jewelry, precious metal and precious stones, commercial jewelry design, art jewelry design and other skills
	Computer	1 set/person	
	Scanners, projectors, whiteboards	1 set each	
	Copy table	Drawing, 1 piece/person	
	Jewelry physical model	Physical copy, 50 pieces	
	Jewelry design magazines and books	Design reference, 100 books	
2. Zhuoyifang Jewelry Studio	Jewelry table, stool	1 set/person	Master the metal platemaking process, including jewelry making skills such as melting silver, sheeting, drawing, sawing, boring, polishing, and waxing
	Crane	Drilling, grinding, 1 piece/person	
	Tableting machine	Tablets, 3 sets	
	Bellows	Welding, 1 piece/person	
	Tabletop motor	Polishing, 1 piece/person	
	Ultrasonic cleaning machine	Cleaning, 1 set	
	Grinder	Polishing, 1 set	
	Welding table	Welding, 1	
	Welding torch	Welding, 1	
	Cutting bed	Cropping, 1 set	
	Lathe	Lathe worker, 1	
	Drilling machine	Drilling, 1	
	Polisher	Polishing, 1 set	
	Pull stool	Drawbench, 1 set	
	Forging tools	Forging, 5 sets	
	Jade carving flat machine	Engraving, 1 piece/person	Master jade carving techniques, including jade plant theme carving, jade animal theme carving, jade characters theme carving and other skills
Jade cutting machine	Cutting, 1 set		
Engraving machine	Engraving, 1 piece/person		
Vibration polishing machine	Polishing, 3 sets		



3. Yimei Building Room	Workbench, chair	1 set/person	Master two kinds of computer aided design software for Photoshop and JewelCad computer jewelry.
	Computer	1 set/person	
4. Yimei Building Studio	Easel and drawing board	1 set/person	Grasp the design sketching, design composition, and line drawing in brush style.

**(II) External practice teaching conditions and requirements**

<b>Training Base</b>	<b>Base Functions and Requirements</b>	<b>Professional Ability and Quality Training</b>
Shenzhen Xian Road Jewelry Co., Ltd.	Technical application topics cooperation, teacher training, jewelry and production training	Jewelry design and production training
Shenzhen Xinbao Jewelry Co., Ltd.	Technical application project cooperation, teacher training, jewelry and production training	Jewelry design and production training, substituted post exercitation
Shenzhen Lilang Jewelry Industrial Park	Technical application project cooperation, teacher training, jewelry and production training, order training and substituted post exercitation	Jewelry design and production practice, training, order-form training



## XI. Teaching arrangement

### (I) Teaching schedule

#### Major (direction) name: Jewelry Design and Craft major (2017 full-time)

	Module composition	Course nature	Course name	Course	Total credits	Total hours	Theoretical teaching	Class practice	Weekly No. distribution in each semester						Assessment method	Note
									First academic year		Second academic year		Third academic year			
									One	Two	Three	Four	Five	Six		
Professional quality work-study module	Basic quality module	Compulsory	An introduction to MAO Zedong thought and the theory of socialism with Chinese characteristics		4	64	52	12		2/16	2/16					
			Ideological and moral cultivation and legal basis		3	48	40	8	4/12							
			College English		8	140	140	0	4/13	4/14	2/16					
			College Chinese		4	64	64	0	2/14	2/18					★	
			Practical writing		2	36	36	0			2/9	2/9				
			Computer application foundation		2	28	12	16	2/14							
			Physical culture		6	108	8	100	2/12	2/14	2/14	2/14				
			Psychology health education		1	20	20	0	2/5	2/5						
			Military lesson		3	60	12	48	3							
			Situation and policy		1	40	32	8	1-4 semesters, 10 hours per							
			College students' growth guidance and safety education		1	24	24	0	8 hours per semester for 2-4 semesters							
			<b>Subtotal</b>		<b>35</b>	<b>632</b>	<b>440</b>	<b>192</b>	260	180	128	64	0	0		
Professional theoretical foundation module	Compulsory	Modern design history		2	36	36	0				2/18					
		Chinese and foreign arts and crafts history		2	36	36	0			2/18						
		<b>Subtotal</b>		<b>4</b>	<b>72</b>	<b>72</b>	<b>0</b>	0	0	36	36	0	0			
Modeling basic	Compulsory	Carved clay modeling		3.5	56	4	52		14/4							

			Line drawing in brush style.		9	140	10	130	14/2	14/2	14/2	14/2	14/2				
			<b>Subtotal</b>		<b>12.5</b>	<b>196</b>	<b>14</b>	<b>182</b>	<b>28</b>	84	28	28	28	0			
	Design basic module	Computory	Design sketch		2.5	42	4	38	14/3								
				Design composition		3.5	56	4	52	14/4							
				<b>Subtotal</b>		<b>6</b>	<b>98</b>	<b>8</b>	<b>90</b>	<b>98</b>	0	0	0	0	0		
	Professional quality development module	Optional	Chinese traditional culture selection, aesthetic introduction, art appreciation etc.		2	36	36	0									
				<b>Subtotal</b>		<b>2</b>	<b>36</b>	<b>36</b>	<b>0</b>								
Project oriented work-study module	Jewelry design project oriented module	Computory	Jewelry performance techniques	▲	4.5	70	6	64	14/5								
			Jewelry design 1	▲	5	84	6	78		14/6							
			Jewelry design 2	▲	4.5	70	6	64			14/5						
			JewelCad computer jewelry design		5	84	6	78				14/6					
			Photoshop		3.5	56	6	50			14/4						
			Comprehensive jewelry design	▲	4.5	70	6	64					14/5				
			Jewelry market inspection		2	28	2	26			14/2						
			<b>Subtotal</b>		<b>29</b>	<b>462</b>	<b>38</b>	<b>424</b>	70	84	154	84	70	0			
	Jewelry making project-oriented module	Computory	Gold and silver jewelry making process 1	▲	5	84	6	78		14/6							
			Gold and silver jewelry making process 2	▲	4.5	70	6	64			14/5						
			Jewelry material craft	▲	5	84	6	78					14/6				
			Jade design and engraving 1		4.5	70	6	64				14/5					
			Jade design and engraving 2		4.5	70	6	64				14/5					
			Jade design and engraving 3		4.5	70	6	64					14/5				
			<b>Subtotal</b>		<b>28</b>	<b>448</b>	<b>36</b>	<b>412</b>	0	84	70	140	154	0			
	Graduation design and post internship module	Computory	Graduation design		7	112	8	106							14/8		
			Post internship		6	168	0	168							28/6		
			Vacation post internship		12	336	0	336		28/6		28/6					
			<b>Subtotal</b>		<b>25</b>	<b>616</b>	<b>8</b>	<b>608</b>	0	168	0	168	0	280			
	General employment and	Computory	Vocational career and development plan of higher vocational college students		1	16	16	0	2/8								
			Entrepreneurial foundation		2	32	32	0			2/8	2/8					

entrepreneurship module		Employment guidance		1	16	16	0					2/8			
	Optional	Entrepreneurial marketing practices, negotiation methods and skills, Internet thinking, etc.		1	18	18	0			2/9					
Professional innovation and entrepreneurship module	Optional	Fiber art, creative sculpture		2	32	4	28			16/2					
Practical activity innovation and entrepreneurship module	Computory	Innovation and entrepreneurship competitions, career planning competitions, innovation projects, entrepreneurship practice and entrepreneurship training		1	18	0	18				2/9				
Subtotal				<b>8</b>	<b>132</b>	<b>86</b>	<b>46</b>	16		66	34	16			
Total credits, learning hours, and average weekly hours in the module statistics				150	2692	736	1956	<b>34</b>	<b>35</b>	<b>27</b>	<b>31</b>	<b>15</b>	<b>16</b>		
College students' sports skills test			1 credit												
Academic summary			1 credit												

Note:

1. Symbol description: ★ indicates examination, and others are checking test; ▲ indicates core course; X/X: above the oblique line X is No. of weeks, and below the oblique line X is No. of weeks with concentrated classes in the semester.
2. In the professional quality development module, each optional course has 18 hours and 1 credit. Each semester is offered according to the optional situation of students, select 2 courses, and obtain 2 credits.
3. In the general employment and entrepreneurship module, each optional course has 18 hours and 1 credit. Each semester is offered according to the optional situation of students, select 2 courses, and obtain 2 credits.
4. In the professional innovation and entrepreneurship module, each optional course has 16 hours and 1 credit or 32 hours and 2 credits. Each semester is offered according to the optional situation of students, select any courses, and obtain 2 credits.

## (II) Practice teaching schedule

Training Course	Training Project	Training Hours	Training Location	Finished Semester
Carved clay modeling	Carved clay three-dimensional modeling	52	Zhuoyifang Jewelry Studio	The second semester
Line drawing in brush style	Line drawing flowers and birds	130	Yimei Building Studio	The first to the fifth semester
Design sketch	Design sketch exercises	38	Yimei Building Studio	The first semester
Design composition	Plane composition, color composition, three-dimensional	52	Yimei Building Studio	The first semester
Jewelry performance techniques	Jewelry professional drawing: three-dimensional drawing, three views, color metal and precious stones	64	Jewelry Design Studio	The first semester
Jewelry design 1	Creative jewelry design	78	Jewelry Design Studio	The second semester
Jewelry design 2	Commercial jewelry design	64	Jewelry Design Studio	The third semester
Comprehensive jewelry design	Advanced jewelry custom design	64	Jewelry Design Studio	The fifth semester
JewelCad computer jewelry design	Computer software assisted modeling	78	Yimei Building Room	The fourth semester
Photoshop	Computer software-assisted renderings processing	50	Yimei Building Room	The third semester
Gold and silver jewelry making process 1	Gold and silver metal jewelry production	78	Zhuoyifang Jewelry Studio	The second semester
Gold and silver jewelry making process 2	Carving wax jewelry and inlays	64	Zhuoyifang Jewelry Studio	The third semester
Jewelry material craft	Filament or chasing technique	78	Zhuoyifang Jewelry Studio	The fifth semester
Jade design and engraving 1	Jade carving plant	64	Zhuoyifang Jewelry Studio	The fourth semester
Jade design and engraving 2	Jade carving animals	64	Zhuoyifang Jewelry Studio	The fourth semester
Jade design and engraving 3	Jade figures	64	Zhuoyifang Jewelry Studio	The fifth semester
Graduation project	Series creation	106	Zhuoyifang Jewelry Studio	The sixth semester
Substituted post exercitation	Jewelry enterprise project practice	504	Outside school jewelry companies	Summer vacation as well as the sixth semester
Jewelry market inspection	Field visits to the jewelry market and companies	26	Outside school jewelry bases and markets	The third semester

### (III) School hours and credit allocation table

Hours and credit allocation table of Jewelry Design and Craft major

No.	Module course type	Credits	Proportion of total credits (%)	Hours	Proportion of total school hours (%)	Theoretical hours	Proportion of total school hours (%)	Practice hours	Proportion of total school hours (%)	
1	Professional quality work-study module	Basic quality module	35	23.4	632	23.5	440	16.3	192	7.1
		Professional theoretical foundation module	4	2.6	72	2.7	72	2.7	0	0
		Modeling basic module	12.5	8.4	196	7.3	14	0.5	182	6.8
		Design basic work-study module	6	4	98	3.6	8	0.3	90	3.3
		Professional quality development module	2	1.3	36	1.3	36	1.3	0	0
2	Project-oriented work-study module	Design expression project oriented module	29	19.4	462	17.2	38	1.4	424	15.8
		Jewelry Design and Craft project oriented module	28	18.8	448	16.6	36	1.3	412	15.3
		Engineering management project oriented module	25	16.8	616	22.9	6	0.2	610	22.7
3	Employment and innovation and entrepreneurship module	Graduation design and post internship module	5	3.3	82	3	82	3	0	0
		General employment and entrepreneurship module	2	1.3	32	1.2	4	0.2	28	1
		Professional innovation and entrepreneurship module	1	0.6	18	0.7	0	0	18	0.7
Total		150	100	2692	100	736	27.3	1956	72.7	

## XII. Graduation requirements

### (I) Credit requirements

Total credit: 152 credits

### (II) Certificate requirements

1. All courses are completed according to the regulations, with qualified results and obtain the diploma of the specialty of this major;
2. Pass the English proficiency test of colleges and universities;
3. Pass the computer application ability examination of higher vocational colleges.





**Annex:**

1. Course Standard of *Jewelry Design I*
2. Course Standard of *Gold and Silver Jewelry Making Process I*

## Course Standard of Jewelry Design 1

Course Code: 1106011

Course Name: Jewelry Design 1

Course Category: Project-oriented work-study module course (jewelry design project oriented module course)

Applicable Professional: Jewelry design and craft

Course Hours: 84

Course Credits: 5

Open Semester: The second semester

Writer: Liu Xiaonv

### I. Nature of the course

*The Jewelry Design 1* course is a jewelry design project oriented module course in the jewelry design professional project-oriented work-study module. This course is a professional skills course for jewelry design professionals. Through the training of various design concepts of jewelry design and practice, students are trained to comprehensively grasp macroscopically capabilities and practical capabilities in all aspects of jewelry design.

Through the study of this course, students are required to master different jewelry design concepts such as geometric shape, natural organic shape, icon form, symbolic type, narrative type, etc., and lay a firm skill base for learning jewelry design professional jewelry design project-oriented engineering course modules. When teaching, it is required to base on the characteristics of the application of this course, explain the basic theoretical knowledge and core content of the course in practical problems and case analysis, and complete the teaching tasks of this course.

### II. Program objective

#### (I) Knowledge objectives

1. Master the jewelry design, texture, color, function and material;
2. In-depth understanding of various design concepts;
3. Natural organic jewelry design;
4. The geometric design of the jewelry design;
5. Three-dimensional geometric jewelry design;
6. Abstract concept jewelry design

#### (II) Ability objectives

1. Grasp the source of inspiration;
2. Master the transformation from inspiration to jewelry;
3. Master the correct delivery of design ideas.

#### (III) Quality objectives

1. Develop students' design and innovation capabilities;

2. Cultivate student's work and learning initiative;
3. Develop students' creative thinking skills;
4. Develop a spirit of courage to overcome difficulties and have a strong ability to solve problems;
5. Good at communication with good language and writing skills.

### III. Course content and instructional design

#### (I) Course design ideas

*Jewelry Design 1* is a design course based on the basic theory and design method of jewelry design, and develops students' creative thinking while training hand-painted expression skills. Students are required to learn different design concepts on the basis of proficiency in a variety of jewelry expressions, and to master the design change process from inspiration to design drawing, so that they can conduct a variety of material processes, systematic creative design, and draw the industry in line with Standard creative jewelry design illustration according to different styles.

The curriculum designs projects according to typical tasks and sets reference standards for teaching objectives that are designed according to preset ability goals in terms of learning objectives, work tasks, ability requirements, teaching content, activity design, and recommended learning hours.

#### (II) Teaching content and instructional design

No.	Special Abilities	Training Programs	Reference Hours	Teaching Contents	Teaching Requirements	Evaluation
1	Basic theory of jewelry design	Train students' design thinking and aesthetic appreciation	4	Comprehensive theory: the process and method of jewelry design; the concept and purpose of the design; source of inspiration and material collection; the rules of designing beauty;	1. The theoretical point should be clear. 2. Enable students to be confident and practical in the actual design process.	Process evaluation (self-assessment, peer review, teachers' assessment), works assessment
2	Natural organic form jewelry design	Natural organic jewelry creation	20	The use of natural organic matter in terms of morphology, color, and texture.	1. Train students' creative design thinking, find inspiration, and turn inspiration into design. 2. Standardize jewelry performance techniques.	Process evaluation (self-assessment, peer review, teachers' assessment), works assessment
3	Flat geometric jewelry design	Flat geometry jewelry creation	20	The display of classic flat geometric jewelry styles; Tips for the source of inspiration for plane geometry; Metal flat geometric jewelry performance note.	1. Train students' creative design thinking, find inspiration, and turn inspiration into design. 2. Standardize jewelry performance techniques.	Process evaluation (self-assessment, peer review, teachers' assessment), works assessment
4	Three-dimensional geometry jewelry design	Three-dimensional geometry jewelry creation	20	Classic three-dimensional geometric jewelry style display; Inspiration sources for stereoscopic geometry; Metal cube geometry jewelry performance note.	1. Train students' creative design thinking, find inspiration, and turn inspiration into design. 2. Standardize jewelry performance techniques.	Process evaluation (self-assessment, peer review, teachers' assessment), works assessment
5	Abstract idea jewelry design	Iconic / symbolic / narrative	18	Classic iconic/symbolic/narrative jewelry display;	1. Train students' creative design thinking, find inspiration, and turn	Process evaluation (self-assessment, peer review,

		jewelry creation		iconic/symbolic/narrative jewelry inspiration; draft a theme, choose iconic/symbolic/narrative jewelry around the theme for jewelry creation	inspiration into design. 2. Standardize jewelry performance techniques.	teachers' assessment), works assessment
6	Ability to analyze creative works and performance techniques	Student work analysis and evaluation	2	Student work analysis; Self-assessment of students, the merits of the work, and areas for improvement; Teacher evaluation and summary speech.	Students analyze their own works based on what they have learned; Enable students to find out the problems that they encounter in the creation and propose solutions.	Process evaluation (teacher' assessment );

#### IV. Course assessment

1. Appraisal methods: Flexible and diverse assessment methods can fully assess students' learning results. The assessment method is divided into process assessment and comprehensive assessment.

Examination Classification		Assessment Method	Exam Time	Ratio of Results
Process assessment	Attendance	Now and then call the roll	During the unit lesson	10%
Comprehensive assessment	Mainly assess students' comprehensive ability for the course	Homework inspection	At the end of the unit lesson	90%

2. Assessment criterion:

No.	Teaching Unit	Knowledge Point of the Assessment	Assessment Ratio
1	Natural organic jewelry creation	Master theoretical points, design performance in place, and cartographic performance	25%
2	Flat geometry jewelry creation		25%
3	Three-dimensional geometry jewelry creation		25%
4	Iconic / symbolic / narrative jewelry creation		25%

#### V. Course implementation

##### (I) Teaching methods

1. Use a large number of models to teach, and the theoretical teaching should pay attention to the combination of speaking, reading and practicing and adopting situational teaching methods. Use multimedia teaching;

2. Teachers should use multi-example demonstration, more comments, more communication with students, one-to-one practice counseling;

3. In practical teaching, you can take the form of group competitions and give certain incentives to activate classroom atmosphere, improve students' interest in learning, and change passive learning into active learning. Train their unity and cooperation skills. In order to exert the initiative of the students' supervisors and improve the professional quality of the students, teachers can conduct observations and comments on the whole class of assignments;

4. Conduct case teaching methods to mobilize students' interest in learning;

5. Allow students to comment on their own, or discuss with each other, and train their thinking skills and verbal skills.

##### (II) Textbooks and course resources

1. Textbooks:

*Jewelry Design* Elizabeth [English] China Textile Press

*Jewelry Design* edited by Guo Xin, Shanghai People's Fine Arts Publishing House

2. References:

*Gem Mosaic Technique*, Shanghai People's Fine Arts Publishing House, Li Juzi

*Precious Metal Materials and Jewelry Production*, Shanghai People's Fine Arts Publishing House, Xu Zhi

*The Basic Course of British Jewelry Making*, Shanghai People's Fine Arts Publishing House, Jinks McGrath

*Jewelry Design and Production*, Southwest Normal University Press, Zou Ningxin

### **(III) Teaching evaluation**

1. In the teaching process of the course, teachers should use theory to guide the practice and teach the students how to draw from the source of inspiration to the sketch and then to the jewelry design. In classroom teaching, students should be encouraged to complete the process of thinking transformation from inspiration to work, so as to truly grasp the method of jewelry design, rather than simple changes.

2. This course requires students to do a lot of thinking training, from inspiration to perfect inspiration. Course teaching adopts the integrated teaching method of theory and practice, and tries to guide its perfect design from the perspective of student creativity. And in the related special training process, teachers should pay attention to the standard training of students' professional quality, and emphasize the assessment of professional quality throughout the training process.

### **VI. Other instructions**

1. This course should teach students to stand in the perspective of the creator with the main task of expressing self-concept and creative design.

2. The main purpose is to open up students' creative thinking, and their coursework will prepare for the subsequent *Gold and Silver Jewelry Making Process 1*.

## **Course Standard of Gold and Silver Jewelry Making Process 1**

Course Code: 1106004

Course Name: Gold and Silver Jewelry Making Process 1

Course Category: Project-oriented module course (jewelry production project oriented module course)

Applicable Professional: Jewelry design and craft

Course Hours: 84

Course Credits: 5

Open Semester: The second semester

Writer: Liu Xiaonv

### **I. Nature of the course**

This course is a professional skills course for jewelry design professionals. It is a course for students to develop metal jewelry. Through the study of this course, students will be able to master the basic crafts of gold and silver jewelry production, so that they can use craftsmanship to realize the design drawings as real jewelry and create unique, lively and artistically pleasing works based on the theme. Also, it will enable students to use the learned knowledge in professional design in the future.

### **II. Program objectives**

#### **(I) Knowledge objectives**

1. Grasp the correct use of metalworking equipment and tools;
2. Understand the safety precautions for metalworking equipment and tools;
3. Grasp the characteristics of metallic silver.

#### **(II) Ability objectives**

1. Skilled in the operation of various types of metalworking equipment and tools;
2. Grasp the forging manufacturing process of gold and silver jewelry.

#### **(III) Quality objectives**

1. Train students' teamwork spirit
2. Cultivate students' work and learning initiative

### **III. Course content and instructional design**

#### **(I) Course design ideas**

*The Gold and Silver Jewelry Making Process 1* course requires students to master the basic techniques of metal modeling, such as sheeting, drawing, sawing, melting, welding, polishing, inlaying, etc. Students should be familiar with the use of all jewelry machinery and tools, and can produce silver ornament, further master the metal sculpting ability, mainly for the hammering and forging of the metal until forming from flat-shaped jewelry to three-dimensional jewelry, and realize metal from raw materials to metalworking jewelry with artistic effects.

## (II) Teaching content and instructional design

No.	Special Abilities	Training Programs	Reference Hours	Teaching Contents	Teaching Requirements	Evaluation
1	The basic theory of metal jewelry production	Making of metal jewelry	4	Metal jewelry production process; Tools used in making metal jewelry; Metal jewelry production safety precautions;	1. The theoretical point should be clear. 2. Enable students to be confident and practical in the actual design process.	Process evaluation (self-assessment, peer review, teachers' evaluation), works assessment
2	Basic metal process	The production of simple strips	20	The precious metal silver from the melting of the silver particles to the sheeting to sawing, bending, welding, honing to the final polishing and is completed as a simple strip ring.	Use bar rings or demonstrations to help students master every step through the production process	Process evaluation (self-assessment, peer review, teachers' evaluation), works assessment
3	Flat metal process	Flat jewelry production	20	Counsel the production of pendants, earrings, etc. sawing, engraving process on a planar metal jewelry	Guide students to complete the real object from the design drawing to the real work	Process evaluation (self-assessment, peer review, teachers' evaluation), works assessment
4	Three-dimensional metal process	Three-dimensional modeling jewelry production	20	Mentor bracelets, rings, etc. for three-dimensional bending or three-dimensional welding	Guide students to complete the realization from the design drawing to the actual work, and reasonably grasp the shape, space, and sense of quantity;	Process evaluation (self-assessment, peer review, teachers' evaluation), works assessment
5	Multi-component links for jewelry	Multi-component jewelry production	18	Counsel and product of multi-component jewelry, such as ring joints, riveting and so on.	Guide students to complete the implementation from the design drawing to the actual work and complete the multi-component links.	Process evaluation (self-assessment, peer review, teachers' evaluation), works assessment
6	Analyze work and comment	Student work analysis and evaluation	2	Student work analysis; Self-assessment of students, the merits of the work, and areas for improvement; Teacher evaluation and summary speech.	Students analyze their own works based on what they have learned; Find out the problems encountered in the creation and propose solutions.	Process evaluation (teachers' evaluation);

## IV. Course assessment

1. Appraisal methods: Flexible and diverse assessment methods can fully assess students' learning results. The assessment method is divided into process assessment and comprehensive assessment.

Examination Classification		Assessment Methods	Exam Time	Ratio of Results
Process assessment	Attendance	Now and then call the roll	During the unit lesson	10%
Comprehensive assessment	Mainly assess students' comprehensive ability for the	Homework inspection	At the end of the unit lesson	90%

	course			
--	--------	--	--	--

## 2. Assessment criterion

Number	Teaching Unit	Knowledge Point for the Assessment	Assessment Ratio
1	Simple bar ring	Master theoretical points, produce precise and accurate, novel style, complete and beautiful works	10%
2	Flat jewelry		30%
3	Three-dimensional modeling jewelry		30%
4	Multi-component jewelry		30%

## V. Course implementation

### (I) Teaching methods

According to the teaching objectives of the course and the characteristics of the course, the teacher chooses the optimal teaching method that suits the course according to different teaching contents. The teaching effect and the operability of the teaching should be considered comprehensively. The following teaching methods are recommended for this course:

1. Instruction method: Teach the basic content of the teaching materials, the use of multimedia courseware, and link theory with the actual case, explain the profound things in simple language.

2. Practice teaching method: After the theoretical content of each project is finished, arrange demonstration demonstrations of practical operation and perform steps in steps until each step of is firmly mastered by students.

### (II) Suggestions of textbook selection

According to the requirements of this curriculum standard, the following bibliography is recommended. In addition, teachers can also make use of corporate resources and network-related resources to prepare textbooks.

1. Textbook:

*Jewelry Design and Production*, Southwest Normal University Press, Zou Ningxin

2. Reference books:

*Gem Mosaic Technique*, Shanghai People's Fine Arts Publishing House, Li Juzi

*Precious Metal Materials and Jewelry Production*, Shanghai People's Fine Arts Publishing House, Xu Zhi

*Jewelry Materials Application Collection*, Shanghai People's Fine Arts Publishing House, Zhang Zhengguo

*The Basic Course of British Jewelry Making*, Shanghai People's Fine Arts Publishing House, Jinks McGrath

### (III) Teaching evaluation

This course requires students to carry out a large number of practical operations; students can realize the goal from knowing nothing to completely master all the basic metal technology, master every single personal tool and the safe use of large equipment. Course teaching adopts integrated teaching methods of theory and practice, and step by step to carry out demonstration teaching. And in the related special training process, teachers should pay attention to the standard training of students' professional quality, and emphasize the assessment of professional quality throughout the training process.



## **VI. Other instructions**

1. Teaching suggestions: *The Gold and Silver Jewelry Making Process I* is a professional course with strong practicality. The students formally enter the studio for the first time in this course to carry out the practical operation of precious metal jewelry making. Teaching should first pay attention to the safety of equipment and tools, personal safety and property safety.

2. The connection and coordination of this course with related courses: In the teaching, teachers should pay attention to the connection with other related courses. For example, the work results of *Jewelry Design I* can be used for this course.