FINE CRAFT:
JEWELLERY/METAL ARTS

Curriculum Standards

2021-23

New Brunswick
COLLEGE
of CRAFT
& DESIGN

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CURRICULUM STANDARD

FINE CRAFT: JEWELLERY / METAL ARTS

2021 - 2023

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The New Brunswick College of Craft and Design (NBCCD) fosters a learner-centered environment that puts the student at the heart of the educational experience.

NBCCD's officially approved document, the Curriculum Standard, details specific learning outcomes necessary for a student to be certified. It also ensures uniformity of the delivery of a program's content.

The Curriculum Standard is an introduction to the program which includes the program's critical performance, a program description, program learning outcomes, and the program's potential career opportunities. This is followed by information on duration, credits, admission requirements, advanced placement, certification, articulations, and prior learning assessment and recognition.

This document also contains a program delivery sequence and the course profiles with specific course learning outcomes and grading basis.

In addition, the Curriculum Standard is used as a tool for revision and evaluation of the program and for the promotion of transfer agreements with other post-secondary institutions.

NBCCD welcomes all comments and inquiries regarding the implementation of this program and the use of this document. Please forward any requests or suggestions to the attention of:

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Program Description

Jewellery/Metal Arts is a two-year studio-based Diploma program that can be completed in four semesters of study. The program enables students to learn skills that transform metal into functional and non-functional objects. It provides intensive skill development by introducing students to sawing, filing, soldering, riveting and stone-setting. Students use Computer-Assisted Design (CAD), mould-making and casting technologies to experiment in making multiple designs. Through advanced processes such as complex construction, forging and silversmithing, they establish an individual artistic practice.

Through applied research, critical discourse and self-reflection, students engage in experimentation and creative problem solving. They learn about written and visual communications for artists and entrepreneurs, art history, drawing and 2D/3D design. They create a portfolio that celebrates the power of the imagination and can be used to launch their career.

Program Critical Performance

By the end of this program, students will have demonstrated the ability to create a personal body of work representing technical skill, aesthetic sensitivity, and cultural awareness and have the capacity to work within the creative economy.

Areas of Study

- Goldsmithing
- Silversmithing/Hollowware
- Jewellery Design
- Designing for Production
- Casting
- Gem Setting and Basic Lapidary
- Jewellery History

Program Learning Outcomes

Following successful completion of this program, students will be able to:

- Create work that combines a broad understanding of aesthetic principles with a high level of technical expertise. Integrate contemporary, traditional and transformative methodologies into studio practice.
- Collaborate on creative projects, events and activities with others that encourage critical discourse and contribute to positive work environments.
- Engage in real-world experiences that inform the development of entrepreneurial and business skills to ensure readiness for employment.
- Participate in dialogue and practices that reflect an acknowledgement of the impact historical and contemporary culture has on social responsibility.
- Employ effective strategies in the management and documentation of information and projects. Work within an environment that meets health and safety requirements, in order to mitigate hazards and risk to self and others.

Career Possibilities

With an entrepreneurial focus, this program prepares students to establish their own small business, be

employed or continue in the Advanced Studio Practice Program at NBCCD or at other leading institutions in Canada and beyond.

Professional opportunities upon graduation include:

- Contemporary Studio Metalsmith
- Jewellery Designer
- Bench Jeweller
- Silversmith
- Artisan, Craftsperson, or Other Visual Artist
- Entrepreneur/Business Owner

PROGRAM INFORMATION

Admission Requirements

An official Transcript of Marks indicating one of the following:

- Certificate in Foundation Visual Arts (FVA) from NBCCD (Good Standing)
- One year of post-secondary education
- Equivalent experience will be considered

AND

- A portfolio submission

Review of the above may lead to a personal interview

Certification

Upon successful completion of the prescribed curriculum, the student will receive a diploma in Fine Craft: Jewellery/Metal Arts.

Articulations

The Fine Craft: Jewellery/Metal Arts program has developed articulation arrangements with other institutions as follows:

- Institution: University of New Brunswick (Fredericton)
- Articulation Period: 1998-05-14 - Undetermined
- Information: The Bachelor of applied Arts (BAA) is an articulated agreement with the University of New Brunswick. For admission requirements, refer to www.unb.ca.

TERRITORIAL ACKNOWLEDGMENT

NBCCD acknowledges that we live, work and create on the unsurrendered and unceded traditional Wolastoqey land. The lands of Wabanaki people are recognized in a series of Peace and Friendship Treaties to establish an ongoing relationship of peace, friendship and mutual respect between equal nations. The river that runs by our college is known as Wolastoq (Saint John River), along which live Wolastoqiyik – the people of the beautiful and bountiful river.

** Specific Electives *Shared Electives not included in this document

Fall 1 - Total required elective credits (3)

Code	Title	Credits	Scheduled Hours	Nominal Hours	Requisites
JMET 2900	Form	6	90	180	None
JMET 2901	Function	6	90	180	None
HIST 2905	Pebbles to Gold: Jewellery History BCE	3	45	90	JMET 2901
* DRAW 2900	Directions in Drawing: Traditional and Contemporary	3	45	90	None
* DRAW 2901	Life Drawing: Structure and Form	3	45	90	None
* DRAW 2902	Watercolour: Exploring Water-Based Materials	3	45	90	None
* DRAW 2907	Drawing and Narrative	3	45	90	None
* DRAW 2908	Painting in Acrylics I	3	45	90	None
DIGM 2019	3D Modelling: Jewellery/3D Objects 1	3	45	90	None

Total of credits: 21.00

Winter 1

Code	Title	Credits	Scheduled Hours	Nominal Hours	Requisites
JMET 2903	Casting	6	90	180	None
JMET 2904	Production	6	90	180	JMET 2901
JMET 2905	Tools and Techniques	3	45	90	None
DIGM 2020	3D Modelling: Jewellery/3D Objects II	3	45	90	DIGM 2019
ENTR 2001	The Business of Craft: Practices and Opportunities	3	45	90	None

Total of credits: 21.00

Fall 2

Code	Title	Credits	Scheduled Hours	Nominal Hours	Requisites
JMET 3901	Approaches in Metal	6	90	180	JMET 2900 JMET 2901
JMET 3900	To Market	6	90	180	JMET 2904
JMET 3902	Openings and Closings	3	45	90	JMET 2901
JMET 3907	Jewellery Rendering	3	45	90	None
ENTR 3920	The Business of Craft: Marketing and Sales	3	45	90	ENTR 2001

Total of credits: 21.00

Winter 2 - Total required elective credits (3)

Code	Title	Credits	Scheduled Hours	Nominal Hours	Requisites
JMET 3903	Silversmithing	6	90	180	None
JMET 3906	Metal and Colour	6	90	180	JMET 3901
HIST 3901	Gold to Pebbles: Jewellery History CE	3	45	90	JMET 2901
* AVVA 3908	Designing Bodies	3	45	90	None
** DIGM 3025	3D Modelling: Jewellery/3D Objects III	3	45	90	DIGM 2020
* DRAW 3001	Imagery, Sources and Development	3	45	90	None
* DRAW 3004	Painting in Acrylics II	3	45	90	DRAW 2908
* DSGN 3916	Book Art Design	3	45	90	None
* HUMN 3000	Art for Social Change	3	45	90	None
ENTR 3921	Marketing and Online Promotion: Craft	3	45	90	ENTR 3920

Total of credits: 21.00

Course Code/Title: JMET 2900 Form
Academic Dean: Denise Richard
Requisites: None
Nominal/Scheduled Hours: 180/90
Credits: 6

Lecture	Studio	Homework	Independent Study	Practicum
30	60	90	0	0

Course Description

In this course, you make jewellery and three-dimensional objects acquiring a working knowledge of basic hand tools and use the jeweller's torch to join metals by soldering. Through a series of projects, you learn doming, construction, forging, hollow construction and how to sink a vessel. In addition, you investigate various surface embellishment techniques as well as bezel cabochon stone setting.

Course Critical Performance

By the end of this course, you will have demonstrated the ability to create 3D wearable and functional objects using appropriate soldering and finishing techniques.

Course Learning Outcomes

Upon the successful completion of this course, students will have demonstrated the ability to:

1. Make jewellery and sculptural/functional metal objects through a variety of procedures.
2. Apply appropriate finishes effectively to metal by various polishing methods.
3. Demonstrate an exploration of materials and techniques with a view towards finding one's own style through creative thinking.
4. Incorporate design principles into their work.
5. Maintain a safe work environment in accordance with studio specific requirements and policies.
6. Incorporate self-reflective processes that include experimentation and input from faculty and peers in the development of their work.
7. Develop a work process that reflects effective resource management (e.g. sketchbook, workload, information and other resources).

Evaluation Plan

The evaluation plan for each specific medium is provided on the Learning Experiences Outlines document. No single project will exceed 35% of the final grade.

Grading Basis: Graded with pass mark of 60%.

Course Code/Title: JMET 2901 Function
Academic Dean: Denise Richard
Requisites: None
Nominal/Scheduled Hours: 180/90
Credits: 6

Lecture	Studio	Homework	Independent Study	Practicum
30	60	90	0	0

Course Description

In this course, students are assigned jewellery projects that require precision and careful construction such as riveting, chain making and hollow ring construction. Through a series of assignments, they acquire metalworking skills to be able to make increasingly complicated pieces. Emphasis is placed on achieving a high level of finishing. With a focus on creative problem solving, students develop their own designs for their projects.

Course Critical Performance

By the end of this course, students will have demonstrated the ability to perform basic soldering and fabrication techniques through the production of personally designed projects.

Course Learning Outcomes

Upon the successful completion of this course, students will have demonstrated the ability to:

1. Make jewellery and sculptural/functional metal objects through a variety of procedures.
2. Apply appropriate finishes effectively to metal by various polishing methods.
3. Incorporate design principles into their work.
4. Maintain a safe work environment in accordance with studio specific requirements and policies.
5. Engage in self-reflective processes that include experimentation and input from faculty and peers.
6. Develop a work process that reflects effective resource management (e.g. sketchbook, workload, information and other resources).
7. Incorporate self-reflective processes that include experimentation and input from faculty and peers in the development of their work.

Evaluation Plan

The evaluation plan for each specific medium is provided on the Learning Experiences Outlines document. No single project will exceed 35% of the final grade.

Grading Basis: Graded with pass mark of 60%.

Course Code/Title: HIST 2905 Pebbles to Gold: Jewellery History BCE
Academic Dean: Denise Richard
Requisites: JMET 2901
Nominal/Scheduled Hours: 90/45
Credits: 3

Lecture	Studio	Homework	Independent Study	Practicum
30	15	45	0	0

Course Description

In this course, students learn about historical jewellery techniques utilized from prehistory up until the Dark Ages. Using the rich backdrop of history as inspiration, they explore the potential of historical styles for self-expression. Students examine ancient objects whose role demonstrates the connection of utility, aesthetics and spirituality. They achieve confidence in designing and speaking about their creative process.

Course Critical Performance

By the end of this course, students will have demonstrated the ability to comprehend and integrate the historical styles and concepts of the ancient period into jewellery designs.

Course Learning Outcomes

Upon the successful completion of this course, students will have demonstrated the ability to:

1. Experiment with materials and techniques with a view toward finding one's own creative style.
2. Integrate the elements and principles of design into their work.
3. Conduct applied research as appropriate.
4. Develop a work process that reflects effective resource management (e.g. sketchbook, workload, information and other resources).
5. Reinterpret historical styles and techniques into their projects.
6. Identify the nature of precious objects by understanding their cultural, economic and spiritual forces.

Evaluation Plan

The evaluation plan for each specific medium is provided on the Learning Experiences Outlines document. No single project will exceed 35% of the final grade.

Grading Basis: Graded with pass mark of 60%.

Course Code/Title: DIGM 2019 3D Modelling: Jewellery/3D Objects 1
Academic Dean: Denise Richard
Requisites: JMET 2901
Note: Some familiarity with computers is required
Nominal/Scheduled Hours: 90/45
Credits: 3

Lecture	Studio	Homework	Independent Study	Practicum
20	25	45	0	0

Course Description

In this course, students visualize, render and produce models using computer-aided design software and 3D printing technologies. Working in virtual space, they focus on developing basic technical skills to create projects that are then realized in a physical form. Students gain an appreciation of the advantages and limitations of these technologies for further studio development.

Course Critical Performance

By the end of this course, students will have demonstrated the ability to create digital files that can be printed into 3D models.

Course Learning Outcomes

Upon the successful completion of this course, students will have demonstrated the ability to:

1. Use the basic processes of computer aided software to create digital files of simple virtual objects, that are individually designed, and can be prototyped by 3D printing technologies.
2. Import designs/sketches as templates by setting-up real world measurements and work spaces, using modeling tools, points, curves, surfaces and solids in virtual 3D space.
3. Maintain an efficient and organized work flow in the development of their digital files when applying materials, rendering files and testing models for visualization purposes.
4. Communicate effectively in verbal and written forms using appropriate and relevant terminology in discussions and learning activities related to computer aided design interface, tool functions and terminology.
5. Engage in a self reflective process to assess the advantages and limitations of these computer technologies in their studio practice.

Evaluation Plan

The evaluation plan for each specific medium is provided on the Learning Experiences Outlines document. No single project will exceed 35% of the final grade.

Grading Basis: Graded with pass mark of 60%.

Course Code/Title: JMET 2903 Casting
Academic Dean: Denise Richard
Requisites: None
Nominal/Scheduled Hours: 180/90
Credits: 6

Lecture	Studio	Homework	Independent Study	Practicum
30	60	90	0	0

Course Description

In this course, students learn to make jewellery and objects through the ancient lost-wax casting technique. Using plastics, organics, and waxes, they make models which are cast in a variety of metals. In addition, they make a silicone mould to reproduce a delicate prototype. The emphasis is on students being able to safely and independently operate a burnout kiln and centrifugal casting machine.

Course Critical Performance

By the end of this course, students will have demonstrated the ability to sprue, invest and burn out a variety of materials and cast them in metal.

Course Learning Outcomes

Upon the successful completion of this course, students will have demonstrated the ability to:

1. Make jewellery and sculptural/functional metal objects by performing a variety of procedures.
2. Critically analyze a variety of applications and situations in order to solve problems related to the creation of their projects.
3. Solve spatial challenges in metalwork using a variety of mathematical operations.
4. Maintain a safe work environment in accordance with studio specific health and safety policies.
5. Develop a work process that reflects effective resource management (e.g. sketchbook, workload, information and other resources).

Evaluation Plan

The evaluation plan for each specific medium is provided on the Learning Experiences Outlines document. No single project will exceed 35% of the final grade.

Grading Basis: Graded with pass mark of 60%.

Course Code/Title: JMET 2904 Production
Academic Dean: Denise Richard
Requisites: JMET 2901
Nominal/Scheduled Hours: 180/90
Credits: 6

Lecture	Studio	Homework	Independent Study	Practicum
30	60	90	0	0

Course Description

In this course, students learn basic production techniques, preparing them for the fine craft marketplace. They revisit bench work and soldering techniques to increase their production abilities with attention to high-quality finishing techniques. They perfect their cabochon stone setting skills and learn how to make rubber moulds to produce multiples by casting. As a requirement, students keep a journal of production time and materials to estimate wholesale and retail pricing.

Course Critical Performance

By the end of this course, students will have demonstrated the ability to produce high-quality multiples for production through making individually designed projects.

Course Learning Outcomes

Upon the successful completion of this course, students will have demonstrated the ability to:

1. Make jewellery and sculptural/functional metal objects by performing a variety of procedures.
2. Carefully apply appropriate finishes effectively to metal by various polishing methods.
3. Solve problems when creating projects by critically analyzing a variety of applications and experimentation with input from faculty and peers.
4. Solve spatial challenges in metalwork using a variety of mathematical operations.
5. Creatively demonstrate the ability to use materials and techniques with a view toward finding one's own style by incorporating the elements and principles of design.
6. Maintain a safe work environment in accordance with studio specific health and safe policies

Evaluation Plan

The evaluation plan for each specific medium is provided on the Learning Experiences Outlines document. No single project will exceed 35% of the final grade.

Grading Basis: Graded with pass mark of 60%.

Course Code/Title: JMET 2905 Tools and Techniques
Academic Dean: Denise Richard
Requisites: None
Nominal/Scheduled Hours: 90/45
Credits: 3

Lecture	Studio	Homework	Independent Study	Practicum
20	25	45	0	0

Course Description

In this course, students make an assortment of personalized hand tools and develop a variety of new technical skill sets. For tools, they learn how to make stone-setting and chasing tools, agate burnishers and other useful gadgets for their jewellery bench. In addition, they explore new techniques such as the marriage of metals and tube making and also build a stock of samples to be utilized in future projects.

Course Critical Performance

By the end of this course, students will have demonstrated the ability to create a variety of useful tools and technical samples.

Course Learning Outcomes

Upon the successful completion of this course, students will have demonstrated the ability to:

1. Make tools and functional metal objects by performing a variety of procedures.
2. Solve spatial challenges in metalwork using a variety of mathematical operations.
3. Apply appropriate finishes effectively to metal by various polishing methods.
4. Demonstrate that they have explored various materials and techniques.
5. Maintain a safe work environment in accordance with studio specific health and safety policies.

Evaluation Plan

The evaluation plan for each specific medium is provided on the Learning Experiences Outlines document. No single project will exceed 35% of the final grade.

Grading Basis: Graded with pass mark of 60%.

Course Code/Title: DIGM 2020 3D Modelling: Jewellery/3D Objects II
Academic Dean: Denise Richard
Requisites: DIGM 2019
Nominal/Scheduled Hours: 90/45
Credits: 3

Lecture	Studio	Homework	Independent Study	Practicum
20	25	45	0	0

Course Description

In this course, students produce projects that explore both spatial relationships and the broader world of jewellery design through computer-assisted design and 3D printing applications. With industry-standard software, they learn more advanced tools and concepts of computer-based design. Students develop a personal design aesthetic and create a variety of objects for direct use, as prototypes, or for casting.

Course Critical Performance

By the end of this course, students will have demonstrated the ability to create and print 3D objects and solve visual problems through the application of computer-based 3D design elements and principles.

Course Learning Outcomes

Upon the successful completion of this course, students will have demonstrated the ability to:

1. Produce technically proficient work that demonstrates the effective integration of 3D design elements and principles in 3D applications.
2. Communicate effectively using discipline-related terminology while presenting their work.
3. Use relevant mathematical and measurement skills in the completion of 3D design projects.
4. Analyze a variety of applications and situations in order to solve problems related to the creation of projects.
5. Create imagery that communicates intended information and/or expresses specific ideas and/or concepts.
6. Develop a work process that reflects effective resource management for constructing and organizing a workable project. (e.g. time, workload, information, and other resources).

Evaluation Plan

The evaluation plan for each specific medium is provided on the Learning Experiences Outlines document. No single project will exceed 35% of the final grade.

Grading Basis: Graded with pass mark of 60%.

Course Code/Title: ENTR 2001 The Business of Craft: Practices and Opportunities
Academic Dean: Denise Richard
Requisites: None
Nominal/Scheduled Hours: 90/45
Credits: 3

Lecture	Studio	Homework	Independent Study	Practicum
35	10	45	0	0

Course Description

In this course, students begin to establish their entrepreneurial spirit. They review various business models and are introduced to the elements of a business plan. Students learn essential concepts and principles of business including: cash flow, pricing, profit, overhead costs, HST and simple bookkeeping. In addition, students initiate a professional online presence.

Course Critical Performance

By the end of this course, students will have demonstrated the ability to carry out essential business practices.

Course Learning Outcomes

Upon the successful completion of this course, students will have demonstrated the ability to:

1. Evaluate the pros and cons of a variety of business models.
2. Utilize simple bookkeeping processes to monitor cash flow.
3. Choose appropriate business tools in determining wholesale, retail and consignment pricing and studio specific overhead costs.
4. Develop a basic business plan.
5. Create a personal online presence.

Evaluation Plan

The evaluation plan for each specific medium is provided on the Learning Experiences Outlines document. No single project will exceed 35% of the final grade.

Grading Basis: Graded with pass mark of 60%.

Course Code/Title: JMET 3901 Approaches in Metal
Academic Dean: Denise Richard
Requisites: JMET 2900, JMET 2001
Nominal/Scheduled Hours: 180/90
Credits: 6

Lecture	Studio	Homework	Independent Study	Practicum
25	65	90	0	0

Course Description

In this course, students make a series of projects resulting from investigating and exploring various creative approaches and methodologies. In doing so, they gain a deeper experience of studio-based production and personal expression. Central to this course is to step out of their comfort zone and further develop their problem-solving skills as a path to self-discovery and confidence.

Course Critical Performance

By the end of this course, students will have demonstrated the ability to develop creative strategies that best suit their personal artistic goals.

Course Learning Outcomes

Upon the successful completion of this course, students will have demonstrated the ability to:

1. Make jewellery and sculptural and functional metal objects by performing a variety of procedures.
2. Critically analyze a variety of applications and situations in order to solve problems related to the creation of projects.
3. Creatively demonstrate the ability to use materials and techniques with a view toward finding one's own style by incorporating the elements and principles of design.
4. Maintain a safe work environment in accordance with studio specific health and safety policies.
5. Incorporate self-reflective processes that include experimentation and input from faculty and peers in the development of work.
6. Conduct applied research as appropriate.
7. Develop a work process that reflects effective resource management (e.g. sketchbook, time management, workload, information, other resources).

Evaluation Plan

The evaluation plan for each specific medium is provided on the Learning Experiences Outlines document. No single project will exceed 35% of the final grade.

Grading Basis: Graded with pass mark of 60%.

Course Code/Title: JMET 3900 To Market
Academic Dean: Denise Richard
Requisites: JMET 2904
Nominal/Scheduled Hours: 180/90
Credits: 6

Lecture	Studio	Homework	Independent Study	Practicum
45	45	90	0	0

Course Description

In this course, students make production work in multiples with a high level of technical finesse while exploring various surface techniques. They produce a line of jewellery for retail and wholesale venues with an emphasis on marketing and merchandising. In addition, they refine their abilities and productivity and in turn demonstrate confidence in their pricing structures.

Course Critical Performance

By the end of this course, students will have demonstrated the ability to produce items that are individually designed, well presented and appropriately priced for their target market.

Course Learning Outcomes

Upon the successful completion of this course, students will have demonstrated the ability to:

1. Make jewellery and sculptural/functional metal objects by performing a variety of procedures.
2. Solve problems related to the creation of projects by critically analyzing a variety of applications and situations.
3. Creatively demonstrate the ability to use materials and techniques with a view toward finding one's own style by incorporating the elements and principles of design.
4. Incorporate the elements and principles into work.
5. Maintain a safe work environment in accordance with studio-specific health and safety policies.
6. Incorporate self-reflective processes that include experimentation and input from faculty and peers in the development of one's work.
7. Develop a work process that reflects effective resource management (e.g. sketchbook, workload and other resources).

Evaluation Plan

The evaluation plan for each specific medium is provided on the Learning Experiences Outlines document. No single project will exceed 35% of the final grade.

Grading Basis: Graded with pass mark of 60%.

Course Code/Title: JMET 3902 Openings and Closings
Academic Dean: Denise Richard
Requisites: JMET 2901
Nominal/Scheduled Hours: 90/45
Credits: 3

Lecture	Studio	Homework	Independent Study	Practicum
15	30	45	0	0

Course Description

In this course, students produce a variety of mechanisms that open and close to allow jewellery to be placed on and removed from the body. Through a series of projects, they make mechanical catches (referred to as findings) that build in complexity, require a high level of technical skill and combine abilities in measurement, finishing and advanced construction. The findings they produce can then be used to conceal or contain things and be utilized in projects in other courses.

Course Critical Performance

By the end of this course, students will have demonstrated the ability to make complex mechanical catches.

Course Learning Outcomes

Upon the successful completion of this course, students will have demonstrated the ability to:

1. Make jewellery, sculptural/functional metal objects and associated tools by performing a variety of procedures.
2. Apply appropriate finishes effectively to metal by various polishing methods.
3. Solve problems related to the creation of projects by critically analyzing a variety of applications and situations. 4. Solve spatial challenges in metalwork using a variety of mathematical operations.
4. Incorporate design principles into their work.
5. Maintain a safe work environment in accordance with studio specific requirements and policies.
6. Collaborate on creative projects, events and activities within shared environments with respect.
7. Develop a work process that reflects effective resource management (e.g. sketchbook, time management, workload, information, other resources).

Evaluation Plan

The evaluation plan for each specific medium is provided on the Learning Experiences Outlines document. No single project will exceed 35% of the final grade.

Grading Basis: Graded with pass mark of 60%.

Course Code/Title: JMET 3907
Academic Dean: Denise Richard
Requisites: None
Nominal/Scheduled Hours: 90/45
Credits: 3

Lecture	Studio	Homework	Independent Study	Practicum
15	30	45	0	0

Course Description

In this course, students draw and illustrate jewellery on paper by using a refined method of shading in pencil, chalk and ink pen. They achieve convincing representations of solid form by using values of light and dark and reflective light and shadow. In addition, they use coloured pencils, watercolour paint, and combinations thereof as they incorporate their personal styles in rendering their individual jewellery designs.

Course Critical Performance

By the end of this course, students will have demonstrated the ability to produce detailed renderings of jewellery in a variety of black and white and colour media with a high level of proficiency.

Course Learning Outcomes

Upon the successful completion of this course, students will have demonstrated the ability to:

1. Use line, shading, reflective light and shadow to produce accurate images of various objects including jewellery.
2. Draw proficiently with pencil, chalk and ink pen.
3. Manipulate a variety of colour media with an emphasis on gouache to properly render jewellery and metal objects.
4. Create designs resulting from specific needs of a particular client.
5. Build a well-organized and aesthetically pleasing sketchbook which includes assignments, individual research, class notes and handouts.

Evaluation Plan

The evaluation plan for each specific medium is provided on the Learning Experiences Outlines document. No single project will exceed 35% of the final grade.

Grading Basis: Graded with pass mark of 60%.

Course Code/Title: ENTR 3920 The Business of Craft: Marketing and Sales
Academic Dean: Denise Richard
Requisites: ENTR 2011
Nominal/Scheduled Hours: 90/45
Credits: 3

Lecture	Studio	Homework	Independent Study	Practicum
35	10	45	0	0

Course Description

In this course, students learn the skills to market and distribute their work to a wholesale, retail and consignment marketplace. They enhance their professional presentation skills in portfolio documentation and marketing materials. Business tools are reinforced, such as basic bookkeeping, cash flow, pricing, overhead, tracking consignments, creating estimates and invoicing. In addition, students prepare for retail and wholesale marketing opportunities and maintain an online presence.

Course Critical Performance

By the end of this course, students will have demonstrated the ability to operate within a wholesale/retail environment.

Course Learning Outcomes

Upon the successful completion of this course, students will have demonstrated the ability to:

1. Choose appropriate business tools in determining wholesale, retail and consignment pricing and studio specific overhead costs.
2. Maintaining basic bookkeeping practices to monitor cash flow.
3. Develop associated marketing materials.
4. Create a well-designed display of personal work for a wholesale and retail marketplace.
5. Maintain a professional online presence.

Evaluation Plan

The evaluation plan for each specific medium is provided on the Learning Experiences Outlines document. No single project will exceed 35% of the final grade.

Grading Basis: Graded with pass mark of 60%.

Course Code/Title: JMET 3903 Silversmithing
Academic Dean: Denise Richard
Requisites: None
Nominal/Scheduled Hours: 180/90
Credits: 6

Lecture	Studio	Homework	Independent Study	Practicum
35	55	90	0	0

Course Description

In this course, students learn to move metal with controlled hammer blows to create a functional and/or sculptural hollowware and flatware. They learn advanced methods of forming metal including raising, planishing and shell construction. Pulling together techniques acquired in previous courses, such as forging, sheet and wire manipulation, sinking, forming and casting, students create one-of-a-kind pieces.

Course Critical Performance

By the end of this course, students will have demonstrated the ability to make hollowware and flatware by advanced methods of forming metal.

Course Learning Outcomes

Upon the successful completion of this course, students will have demonstrated the ability to:

1. Make jewellery and sculptural/functional objects by performing a variety of procedures.
2. Creatively demonstrate the ability to use materials and techniques with a view toward finding one's own style by incorporating the elements and principles of design.
3. Maintain a safe work environment in accordance with studio-specific health and safety policies.
4. Incorporate self-reflective processes that include experimentation and input from faculty and peers in the development of work.
5. Conduct applied research as appropriate.
6. Develop a work process that reflects effective resource management (e.g. sketchbook, workload, information and other resources).

Evaluation Plan

The evaluation plan for each specific medium is provided on the Learning Experiences Outlines document. No single project will exceed 35% of the final grade.

Grading Basis: Graded with pass mark of 60%.

Course Code/Title: JMET 3906 Metal and Colour
Academic Dean: Denise Richard
Requisites: JMET 3901
Nominal/Scheduled Hours: 180/90
Credits: 6

Lecture	Studio	Homework	Independent Study	Practicum
35	55	90	0	0

Course Description

In this course, students enhance their jewellery making abilities by adding colour to work with metal patination and coloured gems. Colour is an important aspect of jewellery as it can synthesize fashion, perceived power and spiritual meaning, all of which are important aspects of human expression. Students make hinged bracelets and lockets that develop their complex construction abilities.

Course Critical Performance

By the end of this course, students will have demonstrated the ability to incorporate colour into projects that utilize advanced construction techniques.

Course Learning Outcomes

Upon the successful completion of this course, students will have demonstrated the ability to:

1. Make jewellery and sculptural/functional metal objects by performing a variety of procedures.
2. Solve problems when creating projects by critically analyzing a variety of applications and experimentation with input from faculty and peers.
3. Solve spatial challenges in metalwork using a variety of mathematical operations.
4. Creatively demonstrate the ability to use materials and techniques with a view toward finding one's own style by incorporating the elements and principles of design.
5. Maintain a safe work environment in accordance with studio specific health and safety policies.
6. Collaborate on creative projects, events and activities with others.
7. Develop a work process that reflects effective resource management (e.g. sketchbook, workload, information and other resources).

Evaluation Plan

The evaluation plan for each specific medium is provided on the Learning Experiences Outlines document. No single project will exceed 35% of the final grade.

Grading Basis: Graded with pass mark of 60%.

Course Code/Title: HIST 3901 Gold to Pebbles: Jewellery History CE
Academic Dean: Denise Richard
Requisites: JMET 2901
Nominal/Scheduled Hours: 90/45
Credits: 3

Lecture	Studio	Homework	Independent Study	Practicum
35	10	45	0	0

Course Description

In this course, students use history as inspiration to explore self-expression by focusing on the period of time from the Dark Ages to the present. Emphasis is placed on the cultural origins, techniques and materials of precious objects. Through assignments and journaling, students demonstrate their comprehension of the cultural, economic, political and spiritual forces of the dynamic.

Course Critical Performance

By the end of this course, students will have demonstrated the ability to comprehend and incorporate styles and concepts of the Common Era of history into jewellery and metalwork designs.

Course Learning Outcomes

Upon the successful completion of this course, students will have demonstrated the ability to:

1. Utilize creative thinking to explore materials and techniques with a view toward finding one's own style.
2. Incorporate the elements and principles of design into one's work.
3. Conduct applied research as appropriate.
4. Develop a work process that reflects effective resource management (e.g. sketchbook, workload, information and other resources).
5. Incorporate historical styles and techniques into projects.
6. Distinguish the nature of precious objects by understanding their cultural, economic and spiritual forces.

Evaluation Plan

The evaluation plan for each specific medium is provided on the Learning Experiences Outlines document. No single project will exceed 35% of the final grade.

Grading Basis: Graded with pass mark of 60%.

Course Code/Title: DIGM 3025 3D Modelling: Jewellery/3D Objects III
Academic Dean: Denise Richard
Requisites: DIGM 2020
Nominal/Scheduled Hours: 90/45
Credits: 3

Lecture	Studio	Homework	Independent Study	Practicum
20	25	45	0	0

Course Description

In this course, you produce projects that explore both spatial relationships and the broader world of jewellery design through Computer Aided Design (CAD) and 3D printing applications. With industry-standard software, you learn more advanced tools and concepts of computer-based design. You develop a personal design aesthetic and create a variety of objects for direct use, as prototypes, or for casting. In addition, you will explore the applications of 3D principles in the context of the printing process. They will be applying knowledge of modeling in a practical manner and testing the printer's limitations. Students will gain skills and develop problem solving abilities with this process.

Course Critical Performance

By the end of this course, you will have demonstrated the ability to create and print 3D objects and solve visual problems through the application of computer-based 3D design elements and principles.

Course Learning Outcomes

Upon the successful completion of this course, students will have demonstrated the ability to:

1. Produce technically proficient work that demonstrates the effective integration of 3D design elements and principles in 3D applications.
2. Communicate effectively using discipline-related terminology within historical and contemporary contexts while presenting their work.
3. Use relevant mathematical and measurement skills in the completion of 3D design projects.
4. Analyze a variety of applications and situations in order to solve problems related to 3D printing.
5. Gain experience with specific software used with 3D printing and understand the printer's limitations.
6. Develop a work process that reflects effective resource management for constructing and organizing a workable project. (e.g. time, workload, information, and other resources).

Evaluation Plan

The evaluation plan for each specific medium is provided on the Learning Experiences Outlines document. No single project will exceed 35% of the final grade.

Grading Basis: Graded with pass mark of 60%.

Course Code/Title: ENTR 3921 Marketing and Online Promotion: Craft
Academic Dean: Denise Richard
Requisites: ENTR 3920
Nominal/Scheduled Hours: 90/45
Credits: 3

Lecture	Studio	Homework	Independent Study	Practicum
20	25	45	0	0

Course Description

In this course, students augment their professional online presence. They expand their nexus on several social media platforms that includes digital images of their work, biographical information, an artist statement, a blog, a retail shop and a video profile. In so doing, students establish a self-directed branding of their work. In addition, they attend a regional marketing opportunity and learn the steps to apply for a scholarship for a real-world activity in an area pertinent to their field of study.

Course Critical Performance

By the end of this course, students will have demonstrated the ability to create a professional online presence that contains written and visual components.

Course Learning Outcomes

Upon the successful completion of this course, students will have demonstrated the ability to:

1. Incorporate personal artwork with descriptive writing in an online platform that informs an audience.
2. Organize thoughts into clear, concise and comprehensive professional documents.
3. Archive information related to professional practice.
4. Collaborate in a regional marketing opportunity with professionalism and mutual respect.
5. Communicate clearly to disseminate personal observations about art and others at every level through practice and presentation.

Evaluation Plan

The evaluation plan for each specific medium is provided on the Learning Experiences Outlines document. No single project will exceed 35% of the final grade.

Grading Basis: Graded with pass mark of 60%.

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