Fine Craft: Jewellery/Metal Arts

CURRICULUM STANDARD

2025 - 2027

New Brunswick
COLLEGE
of CRAFT
& DESIGN

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FINE CRAFT: JEWELLERY/METAL ARTS

2025-2027

Electronic Approval Date: 2025-03-01

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 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:

Anna Mathis, Academic Dean
New Brunswick College of Craft and Design
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Fredericton New Brunswick
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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.

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.
- Launch a creative career by employing the entrepreneurial skills, tools, and design thinking principles to succeed and thrive in a changing contemporary landscape.
- 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

Admission Requirements

For admission requirements, please visit nbccd.ca/admissions.

Certification

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

Modifications to Academic Programs

NBCCD may modify, adapt, or adjust the curriculum requirements, teaching methods, or learning outcomes when necessary to keep the program effective and relevant. Every student accepted for enrolment at NBCCD is deemed to have agreed to any such changes whether made before or after acceptance. NBCCD reserves the right to require enrolled students to meet the revised requirements.

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.

- Institution: NSCAD University (Halifax, NS)
- Articulation period: 2024-05-17 to 2029-05-17
- Information: Students who complete the Foundation Visual Arts Certificate and one of the following diploma programs at NBCCD - Graphic Design, Ceramics, Jewellery/Metal Arts, Fashion Design, Photography/Videography, Textile Design, or Wabanaki Visual Arts - may apply for advanced standing into the Bachelor of Fine Arts, Bachelor of Design, or Bachelor of Arts. Eligible students may receive transfer credit for up to 50% depending on courses completed. Other conditions apply including a portfolio submission and a minimum GPA. For admission requirements, refer to nscad.ca.

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.

FALL 2025 21 CREDITS	JMET 2900 Form 6 CREDITS	JMET 2901 Function 6 CREDITS	HIST 2905 Pebbles to Gold: Jewellery History BCE 3 CREDITS	DIGD 2019 3D Modelling: Jewellery/3D Objects I 3 CREDITS	ENTR 2011 Visual Documentation 3 CREDITS
WINTER 2026 21 CREDITS	JMET 2907 Casting 9 CREDITS	JMET 2904 Production 6 CREDITS		DIGD 2020 3D Modelling: Jewellery/3D Objects II 3 CREDITS	ENTR 2012 Business Practices and Marketing 3 CREDITS

FALL 2026 21 CREDITS	JMET 3901 Approaches in Metal 6 CREDITS	JMET 3900 To Market 6 CREDITS	JMET 3902 Openings and Closings 3 CREDITS	JMET 3907 Jewellery Rendering 3 CREDITS	ENTR 3000 Sales and Opportunities 3 CREDITS
WINTER 2027 21 CREDITS	JMET 3903 Silversmithing 6 CREDITS	JMET 3908 Advanced Jewellery Construction Techniques 6 CREDITS	HIST 3901 Gold to Pebbles: Jewellery History CE 3 CREDITS	ENTR 3001 Creative Entrepreneurship 3 CREDITS	CHOOSE 1: DIGD 3025 3D Modelling/ 3D Objects III 3 CREDITS Complementary course 3 CREDITS

Total Diploma Credits: 84

Fall 1

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
DIGD 2019	3D Modelling: Jewellery/3D Objects I	3	45	90	JMET 2901
ENTR 2011	Visual Documentation	3	45	90	None

Total of credits: 21.00

Winter 1

Code	Title	Credits	Scheduled Hours	Nominal Hours	Requisites
JMET 2907	Casting	9	135	270	None
JMET 2904	Production	6	90	180	JMET 2900 JMET 2901
DIGD 2020	3D Modelling: Jewellery/3D Objects II	3	45	90	DIGD 2019
ENTR 2012	Business Practices and Marketing	3	45	90	ENTR 2011 or DIGD 2005 or FADN 2901

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 3000	Sales and Opportunities	3	45	90	ENTR 2012

Total of credits: 21.00

Winter 2

Code		Title	Credits	Scheduled Hours	Nominal Hours	Requisites
JMET 3903		Silversmithing	6	90	180	None
JMET 3908		Advanced Jewellery Construction Techniques	6	90	180	JMET 3901
HIST 3901		Gold to Pebbles: Jewellery History CE	3	45	90	JMET 2901
ENTR 3001		Creative Entrepreneurship	3	45	90	ENTR 3000
Choose one:	DIGD 3025	3D Modelling/3D Objects III	3	45	90	DIGD 2020
		Complementary Course	3	45	90	None

Total of credits: 21.00

Total Diploma Credits: 84

Course Code/Title: JMET 2900 Form
Academic Dean: Anna Mathis
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 make jewellery and three-dimensional objects, acquire a working knowledge of basic hand tools, and use the jeweller's torch to join metals by soldering. Through a series of projects, students learn doming, construction, forming, and forging. In addition, students investigate various surface embellishment techniques as well as bezel cabochon stone setting.

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: Anna Mathis
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 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: HIST 2905 Pebbles to Gold: Jewellery History BCE
Academic Dean: Anna Mathis
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 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: DIGD 2019 3D Modelling: Jewellery/3D Objects 1
Academic Dean: Anna Mathis
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 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: ENTR 2011 Visual Documentation
Academic Dean: Anna Mathis
Requisites: None
Nominal/Scheduled Hours: 90/45
Credits: 3

Lecture	Studio	Homework	Independent Study	Practicum
30	15	45	0	0

Course Description

In this course students will learn to document their art, craft, design and creative processes for their portfolio and marketing purposes. Students will learn and apply the theory and concepts needed to digitally capture their creative work using various tools and technology including scanners, digital cameras, photographs and video. Working in a collaborative environment, students will develop and apply their communication skills to work effectively with each other and provide constructive feedback during class sessions. Students will design and create a portfolio of work and prepare it for applications such as scholarships, employment and residencies that will happen in later courses. Students will learn to communicate their visual design needs so that they can work with professionals to assist with their marketing requirements for business.

Course Learning Outcomes

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

1. Apply camera and digital imaging theory and technology to the documentation of their artwork and creative processes.
2. Develop an understanding about how lighting is used in portfolio imagery.
3. Employ storytelling techniques with pictures and videos
4. Design ways to share their creative processes as a form of marketing.
5. Develop self-assessment strategies to analyze challenges, identify strengths and areas for growth in various course assignments, to support resiliency development.
6. Communicate visual ideas in the form of presentations, written and verbal critiques and self-evaluation of imagery.
7. Collaborate with others and apply career readiness skills such as problem solving, critical thinking, and teamwork to visual design challenges.

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 2907 Casting
Academic Dean: Anna Mathis
Requisites: None
Nominal/Scheduled Hours: 270/135
Credits: 9

Lecture	Studio	Homework	Independent Study	Practicum
45	90	135	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 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: Anna Mathis
Requisites: JMET 2900, 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 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: DIGD 2020 3D Modelling: Jewellery/3D Objects II
Academic Dean: Anna Mathis
Requisites: DIGD 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 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 2012 Business Practices and Marketing
Academic Dean: Anna Mathis
Requisites: ENTR 2011 or DIGD 2005 or FADN 2901
Nominal/Scheduled Hours: 90/45
Credits: 3

Lecture	Studio	Homework	Independent Study	Practicum
30	15	45	0	0

Course Description

This course is designed to provide creative entrepreneurs with an understanding of fundamental business vocabulary and processes, emphasizing how these concepts overlap and complement design vocabulary and processes. Students will learn how to market and promote their products and services online effectively. Students will learn how design thinking skills can be used to identify and execute business opportunities, and how to employ the key principles of marketing to develop strategies to create brand awareness, engage with customers, and increase sales and opportunities. The course will also focus on using various digital marketing tools and techniques to create online presence, drive traffic, and generate leads. Students will learn essential business concepts through a combination of theoretical and practical learning, with an emphasis on hands-on projects, case studies, and group discussions.

Course Learning Outcomes

Upon the successful completion of this course, students will be able to:

1. Identify and interpret essential business terminology, and understand how fundamental business principles intersect, correlate and elevate design principles.
2. Develop a marketing plan for their creative business that aligns with their brand values and objectives.
3. Experiment with early designs in branding and communications elements and build brand identity through compelling storytelling.
4. Apply design thinking techniques to create a robust online presence across different digital platforms such as social media, websites, and email marketing, and utilize resources effectively.
5. Conduct a SWOT analysis and a competitive analysis of their creative business.
6. Work with peers collaboratively in a team setting and apply career readiness skills such as problem solving, critical thinking, and teamwork to marketing challenges.
7. Support the expansion of their resiliency capacity through self-assessments, and conceptualize how a growth versus fixed mindset influences creative entrepreneurial activities.

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: Anna Mathis
Requisites: JMET 2900, JMET 2901
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 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: Anna Mathis
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. In addition, they refine their abilities and productivity and in turn demonstrate confidence in their pricing structures.

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: Anna Mathis
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 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.
5. Incorporate design principles into their work.
6. Maintain a safe work environment in accordance with studio specific requirements and policies.
7. Collaborate on creative projects, events and activities within shared environments with respect.
8. 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 Jewellery Rendering
Academic Dean: Anna Mathis
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 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 3000 Sales and Opportunities
Academic Dean: Anna Mathis
Requisites: ENTR 2012
Nominal/Scheduled Hours: 90/45
Credits: 3

Lecture	Studio	Homework	Independent Study	Practicum
35	10	45	0	0

Course Description

In this course, students will learn the skills necessary to identify and create opportunities in their field of interest. Students will learn to recognize and implement various revenue streams to maximize their creative potential. Students will learn how design thinking skills can be used to identify, execute, and evaluate business opportunities. The course will focus on professional applications, opportunity identification, job creation, goal setting, and contract management. Students will also analyze the benefits and drawbacks of risk-taking in creative entrepreneurship and develop a framework for creative problem-solving and building resiliency. Through experiential sales and collaboration, students will organize and create a professional retail sales experience, as well as build brand recognition by expanding their online presence.

Course Learning Outcomes

Upon the successful completion of this course, students will be able to:

1. Identify and evaluate potential business opportunities in the creative industry, and adapt various revenue streams to maximize creative potential.
2. Build a professional application for an opportunity in their field, including a cover letter, CV, images, image list and all other required documentation for an opportunity in the creative sector of your choice.
3. Recognize the benefits and drawbacks of risk-taking in creative entrepreneurship and analyze the different types of risk involved in creative business ventures.
4. Construct a professional retail sales environment by collaboratively planning, managing, and developing pricing, inventory, merchandising, marketing, as well as the setup and operation of a public retail sale.
5. Use a design-thinking approach to test a production line and conduct market research to analyze results.
6. Build brand recognition by expanding their online presence through social media strategies and search engine optimization.
7. Consistently utilize self-assessment strategies to analyze challenges, identify strengths and areas for growth in various course assignments, to support resiliency development.

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: Anna Mathis
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 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 3908 Advanced Jewellery Construction Techniques
Academic Dean: Anna Mathis
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 will enhance their jewellery making skills by focusing on advanced construction techniques, and high caliber finishing. Students design and fabricate hinged bracelets and lockets. They will also embellish their work with new methods of stone setting.

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: Anna Mathis
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 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: ENTR 3001 Creative Entrepreneurship
Academic Dean: Anna Mathis
Requisites: ENTR 3000
Nominal/Scheduled Hours: 90/45
Credits: 3

Lecture	Studio	Homework	Independent Study	Practicum
30	15	45	0	0

Course Description

This course is designed to provide students with the foundational knowledge and skills needed to start and grow a successful creative business. Students will learn about various business structures, financial projections, financing options, and risk management strategies. They will explore Social Enterprises and consider their business in relation to being a global citizen. They will also have the opportunity to develop and present a viable creative business plan, including an executive summary, business model canvas, financial projections, and risk management strategies. In addition, students will reflect on their personal risk tolerance levels and develop strategies to manage and overcome fear, uncertainty, and doubt in creative business ventures. Through peer presentations, critiques, and class discussions, students will develop effective communication and collaboration skills in an inclusive environment.

Course Learning Outcomes

Upon the successful completion of this course, students will be able to:

1. Create and manage a successful display of their work at a regional wholesale tradeshow, including identifying target markets and creating marketing strategies.
2. Reflect on the wholesale and retail opportunities and evaluate personal risk tolerance levels, adapting personal strategies to effectively manage fear, uncertainty, and doubt in creative business ventures.
3. Evaluate different business structures and choose the most appropriate one for their creative business.
4. Develop a business plan including accurate and realistic financial projections for their creative business, analyzing factors such as sales revenue, expenses, and financing.
5. Engage in the evaluation of peer presentations, and provide constructive feedback, incorporating insights from the course content and class discussions.
6. Commit to the development of resiliency by utilizing self-assessment as a reflective tool to adapt and persevere in the dynamic landscape of creative entrepreneurship.
7. Exemplify effective communication and collaboration skills, including active listening, constructive feedback, and solution-seeking in a diverse and dynamic learning community.

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: DIGD 3025 3D Modelling: Jewellery/3D Objects III (Complementary Course)
Academic Dean: Anna Mathis
Requisites: DIGD 2020
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 Aided Design (CAD) and 3D printing applications. With industry-standard software, students 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. In addition, they 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 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%.