

## Beginning Jewelry Fabrication North Seattle College

Professor: Julie Brooks  
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Class Location: AS Building Room 1633 - Jewelry Studio

Suggested Text: [The Complete Metalsmith](#) by Tim McCreight - available at Amazon.com

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### IMPORTANT CONTACT INFORMATION:

Continuing Ed Office:

Room CC 1152 (ground floor of College Center, just west of Security Office)

Phone: #(206)934-3705

Hours: Monday-Thursday, 9:00 am – 5:30 pm and Friday, 9:00 am – 4:30 pm

Security: #(206)934-3636

*Please note: This syllabus describes general course content, requirements and materials. However, all aspects of this description are subject to my revision in order to best tailor the course to the needs of students, calendar, and circumstance.*

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### COURSE CATALOG DESCRIPTION:

This introductory class exposes you to fundamental techniques involved in jewelry making and metal design. Emphasis is placed on fabrication processes with non-ferrous metals. Demonstrations will include sawing, filing, soldering, fabrication, cabochon stone setting and finishing techniques. Supply list will be provided at first class.

### Topics Covered:

Introduction to jewelry design, its history and techniques

Studio practices in jewelry design and techniques

Critical analyses of both technical and aesthetic choice in jewelry design

Visual elements and design principles

### COURSE REQUIREMENTS EVALUATION (based on the following criteria):

- Completion of all assignments, both projects and sketchbooks, by specified due dates. They are due at the announced critiqued date. **Attendance and participation is mandatory.** If your project is incomplete, attendance is still mandatory.
- Creativity and inventive approach to design, as well as problem solving.
- Craftsmanship. Strict attention to detail and clean execution of all technical aspects, including soldering, filing, finishing, etc. Quality craft takes time, effort and patience.
- Participation in class discussions, critiques, and clean up; sharing and cooperation with others.
- Attendance and punctuality. Students must attend all classes. Demonstrations cannot be arbitrarily repeated, absences are disruptive to the learning process. I take attendance. It is the student's responsibility to notify the instructor if a class must be missed and to be aware of the information presented.
- Following instructions. All students are expected to cooperate with the rules and procedures established for the use of studio tools and equipment.
- Commitment. Students are expected to spend time in the studio outside of class. The monitored studio schedule is on Saturday's only for continuing education students. It is impossible to complete the assignments during class time and it will be necessary to take advantage of the studio facilities to do so. Please keep in mind, metalsmithing is very time consuming and takes a lot of commitment, patience and precision.

**AMERICAN DISABILITIES ACT:** The A.D.A. is designed to ensure that students with disabilities have an equal opportunity to access academic programs and successfully complete their studies. Students with disabilities who believe that they may need accommodations in this class are encouraged to contact Disability Services as soon as possible to ensure that such accommodations are implemented in a timely fashion. You may make an appointment with Disabilities Services by calling **934- 3697** or stopping by the DS office on the 2<sup>nd</sup> floor of the college center. If you have a disability that will affect your performance in this class please let me know during my office hours. Any contacts and/ or information will remain strictly confidential.

## **SAFETY RULES FOR JEWELRY/METAL ARTS STUDIO**

### *Mandatory Safety Precautions*

1. This is a shared communal studio. It requires common courtesy and respect for everyone. Any inappropriate behavior should be reported to the instructor.
2. Instructor, Lab Asst., or approved Monitor must be on duty for the studio to be open. **Continuing Education students are only allowed to work in the studio on Saturdays.**
3. Tools are not allowed out of the studio – NO BORROWING
4. Report damaged or broken equipment/tools to the Monitor or Lab Assistant.
5. Report your injury!
6. No headphones or Ipods are used in the studio.
7. Long hair must be tied back at all times while in the studio.
8. Face shields or goggles must be worn when operating power equipment such as dills, flex shafts, grinders, or when melting metals and using acids.
9. Respirator or face mask must be worn when working with acids, resins, or polishing compounds. Many of these materials are toxic and carcinogenic.
10. Do not operate any power tool or torch that you do not know how to use. Ask for help first. When operating power tools, keep your attention on your work to avoid accidents.
11. Do not wear any loose clothing, ties, scarves, etc. when operating any power tool, soldering, or working with any chemicals.
12. Closed toe shoes ONLY in the studio.
13. Wear protective gloves and a plastic apron when handling acids.
14. Do not wear protective gloves when operating power tools, flex shaft, or the polisher.
15. Keep any flammable materials away from torches. When soldering, make certain that there are no flammable materials near the workstation, such as paper towels, notebooks, etc.
16. No children or pets are allowed in the studio.
17. No one is allowed in the studio alone.
18. No eating in the studio. Make sure to wash your hands!
19. Wear ear protection when necessary.
20. If you smell something weird, like gas, say something. Open the doors if ventilation is needed.
21. **Always Clean up Your Mess in the Studio-** The last 15 minutes of class will be dedicated to cleaning up your desk, the soldering area, sinks, etc. and putting away all tools. Participation in clean up is mandatory for all students. Please be considerate of others, leave the studio as you would like to see it next time.

## **SUPPLY LIST**

### Safety:

1. safety glasses
2. dust mask – N95

### Supplies:

tool box	#2 cut needle files	tweezers
sketchbook	wet/dry sandpaper:	old towel
pencil, sharpie, ruler, compass	220, 320, 400, & 600 grit	scissors

templates	sanding sticks	metal for projects
drill bits	rubber cement	silver solder: hard, medium, and easy
jeweler's saw frame 4"		
jewelry saw blades- #3/0	paste flux	cabochon stone
bench pin	brush for flux	bezel for stones
bees wax	copper or brass wire & tubing (buy drill bits to match)	

**Suppliers:**

Rio Grande - #1-800-545-6566 <http://www.riogrande.com>

Hauser & Miller - #1-800-462-7447 [www.hauserandmiller.com](http://www.hauserandmiller.com)

Indian Jewelers Supply - #1-800-545-6540 [www.ijsinc.com](http://www.ijsinc.com)

**LOCAL:** Seattle Findings – 500 Union St. Suite 310 Seattle, WA 98101 # (206)682-7020

(I have a discount code for Seattle Findings you are able to use as a current North Seattle College student)

**Online resources:**

The Ganoskin Project

<http://www.ganoskin.com>

Metal Cyberspace

<http://www.metalcyberspace.com>

SNAG – Society of North American Goldsmiths

<http://www.snagmetalsmith.org>

Seattle Metals Guild

<http://www.seattlemetalsguild.org>

### Class Outline

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**Week 1 Introduction & Demonstrations**

\* Sawing, filing, sanding

\* Assignment: Positive/Negative Space 3" Square **DUE:** July 14th

**Week 2 Demonstrations**

\* Surface Treatment, roller printing, simple doming/shaping

\* Rivets/Cold Joinery

\* Practice time for techniques

**Week 3 Demonstrations**

\* Soldering

\* In class soldering exercise DUE

**DUE:** Positive/Negative Space 3" Square

**Week 4 Demonstrations & Project Discussion**

\* Finishing: polishing & oxidation

\* Discussion of bails and findings

\* Cabochon stone setting demo

**Week 5 Workday**

**Week 6 Workday**

**Week 7 Workday**

**Week 8 Final Critique** – Bring all projects