Course Information
Division: Fine Arts
Course Number: ART 178
Title: Beginning Lapidary I
Credits: 1-3
Developed by: Dwayne Gayle
Lecture/Lab Ratio:
1 Credit = 0 Lecture/2 Lab
2 Credits = 0 Lecture/4 Lab
3 Credits = 0 Lecture/6 Lab

Transfer Status
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<th>ASU</th>
<th>NAU</th>
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<td>Elective Credit</td>
<td>ART Departmental Elective</td>
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Activity Course: Yes
CIP Code: 50.0700
Assessment Mode: Portfolio
Semester Taught: Fall and Spring
GE Category: None
Separate Lab: No
Awareness Course: No
Intensive Writing Course: No

Prerequisites
None

Educational Value
To General Education: Provides relaxation and a positive mental attitude. Develops a positive self-image and appreciation for the art of gem making. It is a good leisure time activity for people of all ages.
To art majors and career oriented people: Primarily a hobby, but a dedicated student could combine skills learned in lapidary with jewelry making to develop a career as a jewelry artist.

Description
An introductory course in the study and application of classifying, selecting, cutting, shaping, and polishing minerals and gem stones.

Supplies
Gemstones as needed.
**Competencies and Performance Standards**

1. **Identify fifteen different rocks of gemstone quality.**
   
   **Learning objectives**
   
   *What you will learn as you master the competency:*
   
   a. Identify all the different kinds of quartzite.
   b. Identify turquoise.
   c. Identify other relevant gems and minerals.

   **Performance Standards**
   
   *Competence will be demonstrated:*
   
   - when learner can list fifteen stones suitable for lapidary

   *Criteria - Performance will be satisfactory when:*
   
   - learner can identify by name fifteen different rocks that are suitable for lapidary

2. **Operate successfully 16-inch Slabe Saw and 10-inch Trim Saw with instructor supervision.**
   
   **Learning objectives**
   
   *What you will learn as you master the competency:*
   
   a. Operate a 16-inch Slabe Saw.
   b. Operate a 10-inch Trim Saw.

   **Performance Standards**
   
   *Competence will be demonstrated:*
   
   - when learner can cut and trim stones successfully using the saws mentioned above
   - when stone shows clean and accurate cuts

   *Criteria - Performance will be satisfactory when:*
   
   - learner can operate a 16 inch Slabe Saw
   - learner can operate a 10 inch Trim Saw

3. **Cut, shape, and polish six cabochans without evidence of cracks, scratches, or flat areas on the finished gem.**
   
   **Learning objectives**
   
   *What you will learn as you master the competency:*
   
   a. Develop skills in selection, identification, and processing of gems.

   **Performance Standards**
   
   *Competence will be demonstrated:*
   
   - when learner can begin with the raw stone, slab it into a workable thickness then form and polish the stone to a high quality finished piece
   - when learner has polished six cabochons without cracks, scratches or flat areas

   *Criteria - Performance will be satisfactory when:*
   
   - learner polishes six stones to satisfactory finish
Types of Instruction
Classroom presentation
Hands-on, individual instruction as needed
Safety instruction
Field visits to gem shows when appropriate

Grading Information
Grading Rationale
60% Quantity
40% Skill

Grading Scale
A 100-90%
B 89-80%
C 79-70%
D 69-60%
F 59% and below