Course Information

Division: Fine Arts  
Course Number: ART 179  
Title: Beginning Lapidary II  
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:  
<table>
<thead>
<tr>
<th>ASU</th>
<th>NAU</th>
<th>UA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective Credit</td>
<td>ART Departmental Elective</td>
<td>Elective Credit</td>
</tr>
</tbody>
</table>

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
Continuation of ART 178.

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:*
   
   o when learner can list fifteen stones suitable for lapidary
   
   *Criteria - Performance will be satisfactory when:*
   
   o 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:*
   
   o when learner can cut and trim stones successfully using the saws mentioned above
   
   o when stone shows clean and accurate cuts
   
   *Criteria - Performance will be satisfactory when:*
   
   o learner can operate a 16 inch Slabe Saw
   o learner can operate a 10 inch Trim Saw

3. Cut, shape, and polish six cabochons 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:*
   
   o 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
   
   o when learner has polished six cabochons without cracks, scratches or flat areas
   
   *Criteria - Performance will be satisfactory when:*
   
   o learner polishes stone 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**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>100-90%</td>
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<tr>
<td>B</td>
<td>89-80%</td>
</tr>
<tr>
<td>C</td>
<td>79-70%</td>
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<tr>
<td>D</td>
<td>69-60%</td>
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<tr>
<td>F</td>
<td>59% and below</td>
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