ARTS4397 – 004 | Sculpture and Technology

Semester: Fall 2023
Days: MW
Time: 11:00am – 1:40pm
Location: ARTS131

Professor: Eden Collins
Office: ARTS134
Office Hours: MW 10:00am – 11:00am & TR 1:00pm – 2:00pm
Email: eden.collins@sfasu.edu

Instructor Introduction
Eden Collins received her MFA in Studio Art from the University of Texas at San Antonio and earned her BA in Studio Art from Hope College in Holland, MI. Her work utilizes sculpture, installation, video, performance, and photography, and she has exhibited nationally and internationally.

Program Learning Outcomes
1. Students will demonstrate proficiency in studio foundation skills as they relate to the elements and principles of design.
2. Students will exhibit a high level of proficiency in the use of materials, techniques, and media.
3. Students will demonstrate understanding of contemporary art issues through exploration of synthesis of content, problem solving and creativity.
4. Students will define and state knowledge of Art Historical precedents.

Student Learning Outcomes
1. Student will define and state knowledge obtained about the technologies available for the creation of sculpture, names of tools, historical context, content drivers, and conceptual motivations for artists.
2. Student will leverage technologies, practice craftsmanship, integrate content drivers and design principles to create and invent their own art forms.
3. Through the practice of working critiques and final critiques, student will be able to discuss, share, contrast and comprehend the successes and difficulties in each work. This practice will allow the students to self-evaluate their work in the future to judge the effectiveness of the artwork.
4. Student contributes to organization and cleanliness of the studio. The practice of tool maintenance and cleanliness is essential to future practice in the field and the world. This participation will allow student to experience personal value and place in the program.
5. Student will learn to assemble, construct, fabricate and manipulate multiple materials using hand and power tools using traditional and contemporary techniques with consideration for safety rules.

Course Structure
The class will explore technologies available for the creation of sculpture. Students will explore additive and subtractive manufacturing processes, CAD and CAM, CNC, 3D modeling and vector-based design, circuity, and more. Students will work with a variety of materials based on their individual projects. Some materials include cardboard, acrylic, extruded filament, resin, and wood. The class will leverage the School of Art technologies as well as the SFA Makerspace, located in the Steen Library.

The class will be divided into phases for each project: tutorials/demonstrations, ideation/digital creation, manufacturing, assembly, and finish.

The class will have grading periods where students will group critique the artwork you have produced throughout the semester.

Since this is an advanced sculpture course, you will be asked to perform to high standards and to conduct yourself as a professional artist would. That means that you will be asked to work hard, think critically, meet deadlines, attend weekly classes and all critiques, be punctual, and actively engage inside and out of class.

Sketchbook
Students will be required to maintain a sketchbook throughout the semester. A separate sketchbook is not required for this course. Students will be expected to record notes, drawings, and all ideas associated with their projects in their sketchbooks.

Grade Evaluation
50%: Artwork Development and Participation
You will be evaluated by the instructor on the quality of your aesthetic decisions, inventive use of materials and technology, evidence of artistic growth, as well as the exploration and execution of original ideas.
The instructor will evaluate your work ethic, personal growth and responsibility, maintenance of sketchbook, and motivation to improve your artwork both in and out of class time. Sketchbook submissions will be a regular part of this evaluation.

25% Proficiency in Technologies
Evidence of proficiency in software/apps and associated technologies.

25%: Assignments
Successful completion of preparatory tutorials and assignments.

Grading Scale
A (90 – 100%)
B (80 – 89%)
C (70 – 79%)
D (60 – 69%)
F (0 – 59%)

Late Assignments
Late or incomplete work will result in strong grade penalties. Incomplete work presented for critique will result in an automatic 10% grade deduction. Late work will result in a 10% grade deduction for each day it is late.

Critique
On the set critique date, each student will present a finished artwork to the class, and we will engage in a group critique. Critique is a time to discuss the strengths and weaknesses of your concept, visual aspects of the form, as well as your craftsmanship and mastery of materials. These critiques are important learning opportunities that help students realize how and what their artwork is visually communicating to an audience.

NOTE
Critique is mandatory. Missing critique will automatically drop your grade for that respective grading period by a full letter grade.

Attendance Policy
Artists must maintain a consistent studio practice; therefore, attendance is expected. Students may miss up to 3 classes before their grade is impacted. A grade deduction of 10% from the final grade will occur for each absence beyond the 3rd. Students missing class are still responsible for information covered in class and are advised to email professor in advance if they will be missing class.

Classroom Use
Use of the tools and the sculpture facility is for currently registered sculpture students only. There are to be no visitors using tools or the facility. Use of space and materials should be reasonable for each student. The sculpture facility houses shops, a classroom, and a few semiprivate studios for graduate students. Please respect the space, materials, and artwork of others. The sculpture facility is a shared space, so students are expected to clean up the classroom and shop after each use.

You cannot work in the sculpture classroom during other classes without first obtaining permission from the instructor of that class. Do not disrupt other classes.

Safety
Students are expected to always use safe shop and foundry procedures. Students are responsible to replace tools and equipment in their proper order when work is completed. Students may not use a tool unless they have already received safety training on the tool. If student is unfamiliar with a tool, they must ask Professor Collins or Ron King to instruct them on proper use of the tool.

Report any equipment malfunction to Professor Collins or to Ron King, the shop supervisor, immediately. If we are not around, mark the equipment with a sign to protect other students and leave us a note explaining the circumstances or what you think is the problem.

Storage
ARTS131 is a shared classroom. Shelves will be designated for supply materials. Use only the designated storage areas unless instructed otherwise. Any projects or materials remaining after the time allotted will be disposed. Lockers in the classroom are available. Do not store food or any found object (that could have food on it) in the locker. Additional lockers are available in the main Art Building. Sign up in the art office and bring your own lock.

The SFA Makerspace does not have storage for your supplies, so any materials brought to the SFA Makerspace must be taken home when you leave.

Materials
The sculpture facility will maintain a basic supply of consumables like glue, screws, nails, sawblades, grinding discs, sandpaper, etc. In some cases, you will need to purchase your own special hardware or fasteners for a specific purpose. If you plan to use great quantities of any of these products, you will be responsible for purchasing them yourself. You will be required to purchase most of your primary materials. Always make sure that you mark your
materials clearly with your name and class. Please respect the artwork and materials of the other students. Materials and artwork left after finals week will be disposed of or recycled.

**Tools**
You should begin to have your own tools for your studio after you leave school. At the very least you will need some of your own basic hand tools.

**Basic tools include:**
- Tape Measure
- Utility knife and X-acto knife
- Work gloves
- Safety glasses
- Pliers
- Hammer
- Screwdrivers
- Scissors
- Sketchbook and writing utensils
- Toolbox

**SYLLABUS NOTE:** The instructor reserves the right to change, delete, or add to the course requirements and schedule at any time. If changes need to be made, instructor will notify students of changes immediately.

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**University Policies and Information**

**Academic Integrity (4.1)**

_The Code of Student Conduct and Academic Integrity_ outlines the prohibited conduct by any student enrolled in a course at SFA. It is the responsibility of all members of all faculty, staff, and students to adhere to and uphold this policy.

Articles IV, VI, and VII of the new Code of Student Conduct and Academic Integrity outline the violations and procedures concerning academic conduct, including cheating, plagiarism, collusion, and misrepresentation. Cheating includes, but is not limited to: (1) Copying from the test paper (or other assignment) of another student, (2) Possession and/or use during a test of materials that are not authorized by the person giving the test, (3) Using, obtaining, or attempting to obtain by any means the whole or any part of a non-administered test, test key, homework solution, or computer program, or using a test that has been administered in prior classes or semesters without permission of the Faculty member, (4) Substituting for another person, or permitting another person to substitute for one's self, to take a test, (5) Falsifying research data, laboratory reports, and/or other records or academic work offered for credit, (6) Using any sort of unauthorized resources or technology in completion of educational activities.

Plagiarism is the appropriation of material that is attributable in whole or in part to another source or the use of one's own previous work in another context without citing that it was used previously, without any indication of the original source, including words, ideas, illustrations, structure, computer code, and other expression or media, and presenting that material as one's own academic work being offered for credit or in conjunction with a program course or degree requirements.

Collusion is the unauthorized collaboration with another person in preparing academic assignments offered for credit or collaboration with another person to commit a violation of any provision of the rules on academic dishonesty, including disclosing and/or distributing the contents of an exam.

Misrepresentation is providing false grades or résumés; providing false or misleading information in an effort to receive a postponement or an extension on a test, quiz, or other assignment for the purpose of obtaining an academic or financial benefit for oneself or another individual or to injure another student academically or financially.

**Withheld Grades Semester Grades Policy (5.5)**

Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average. For additional information, go to [http://www.sfasu.edu/policies/course-grades-5.5.pdf](http://www.sfasu.edu/policies/course-grades-5.5.pdf).

**Students with Disabilities**

To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to [http://www.sfasu.edu/disabilityservices/](http://www.sfasu.edu/disabilityservices/).

**Mental Health and Wellness**

SFA values students' mental health and the role it plays in academic and overall student success. SFA provides a variety of resources to support students' mental health and wellness. Many of these resources are free, and all of them are confidential.

**On-campus Resources:**

**SFA Counseling Service**

[www.sfasu.edu/counselingservices](http://www.sfasu.edu/counselingservices)

Health and Wellness Hub (corner of E. College and Raguet)

936.468.2401

**SFA Human Services Counseling Clinic**

[www.sfasu.edu/humanservices/139.asp](http://www.sfasu.edu/humanservices/139.asp)

Human Services, Room 202

936.468.1041

**Crisis Resources**

Burke 24-hour crisis line: 1.800.392.8343

Suicide Prevention Lifeline: 1.800.273.TALK (8255)

Crisis Text Line: Text HELLO to 741-741

**Campus Police**

Emergency: 936.468.9111

Non-Emergency: 936.468.2608

**Food Assistance and SFA Food Pantry**

[https://www.sfasu.edu/studentaffairs/1319.asp](https://www.sfasu.edu/studentaffairs/1319.asp)

**Health Clinic**

[https://www.sfasu.edu/life-at-sfa/health-safety/health-clinic](https://www.sfasu.edu/life-at-sfa/health-safety/health-clinic)
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| Week 1 | Mon 8/28 | Syllabus Introduction  
Visits SFA Makerspace  
Introduce TinkerCAD |
|--------|----------|------------------------|
| Wed 8/30 | Introduction to CAD, FDM & SLA 3D Printing – Additive Manufacturing Project  
Create TinkerCAD account  
TinkerCAD Tutorials: 3D Printing |
| Week 2 | Mon 9/4 | TinkerCAD Tutorials: 3D Printing assignment due  
3D Printer demo – class in SFA Makerspace |
| Wed 9/6 | Sketchbook ideas due  
Workday |
| Week 3 | Mon 9/11 | Workday |
| Wed 9/13 | Workday |
| Week 4 | Mon 9/18 | Workday |
| Wed 9/20 | Workday |
| Week 5 | Mon 9/25 | Additive Manufacturing Project Critique |
| Wed 9/27 | Introduction to Vector-based design – Subtractive Manufacturing Project  
Introduction to Laser Cutter  
Vector software (Adobe Illustrator, Inkscape, CorelDRAW) tutorials |
| Week 6 | Mon 10/2 | Vector software tutorial assignment due  
Laser cutter demo – class in SFA Makerspace |
| Wed 10/4 | Sketchbook ideas due  
Workday |
| Week 7 | Mon 10/9 | Workday |
| Wed 10/11 | Introduction to Vinyl Cutter – class in School of Art tech shop  
Workday |
<p>| Week 8 | Mon 10/16 | Workday |
| Wed 10/18 | Workday |
| Week 9 | Mon 10/23 | Subtractive Manufacturing Project Critique |</p>
<table>
<thead>
<tr>
<th>Week 10</th>
<th>Wed 10/25</th>
<th>Introduction to Circuitry – Light, Sound, Movement Project Introduction to Arduinos TinkerCAD Tutorials: Arduinos</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mon 10/30</td>
<td>TinkerCAD Tutorials: Arduinos assignment due Arduino demo – class in SFA Makerspace</td>
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<tr>
<td>Wed 11/1</td>
<td>Sketchbook ideas due Workday</td>
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<tr>
<td>Week 11</td>
<td>Mon 11/6</td>
<td>Workday</td>
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<td>Wed 11/8</td>
<td>Workday</td>
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<tr>
<td>Week 12</td>
<td>Mon 11/13</td>
<td>Workday</td>
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<td>Wed 11/15</td>
<td>Light, Sound, Movement Project Critique Introduction to Final Project</td>
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<tr>
<td>Week 13</td>
<td>Mon 11/20</td>
<td>No School – Thanksgiving Break</td>
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<tr>
<td>Wed 11/22</td>
<td>No School – Thanksgiving Break</td>
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<td>Week 14</td>
<td>Mon 11/27</td>
<td>Sketchbook ideas due Final Project demo</td>
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<tr>
<td>Wed 11/29</td>
<td>Workday</td>
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<td>Week 15</td>
<td>Mon 12/4</td>
<td>Workday</td>
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<tr>
<td>Wed 12/6</td>
<td>Workday Mandatory Shop Clean-up</td>
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<td>Finals Week</td>
<td>Wed 12/13 10:30am – 12:30pm</td>
<td>Final Project Critique</td>
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</tbody>
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