Spring 2019
Undergraduate Research Apprenticeship Positions

-AREAS/CONCENTRATIONS FOR RESEARCH-

Archaeology
Bioarchaeology
Environmental Social Science
Evolutionary Anthropology
Global Health and Medical Anthropology
Museum Studies
Physical Anthropology
Sociocultural Anthropology

Students should be certain to review all positions as many opportunities are combined with one or more other concentrations or disciplines.

Highlighted positions can be completed remotely and by online students.
Research project or internship title:
Anthropology Collections Undergraduate Apprenticeship – Archaeological Collections

Academic discipline:
- Archaeology
- Bioarchaeology
- Museums
- Physical Anthropology
- Sociocultural Anthropology

Project description:
This hands-on internship is ideal for students who are interested in the possibility of working in museums and those who would like to gain experience with material culture collections (ethnographic, archaeological, physical anthropological, and archival). Interns will learn standard museum collections practices relating to the research, cataloging and care of anthropological artifacts by working with the anthropology collections curated at ASU. Most of the anthropological collections at ASU are curated by Center for Archaeology and Society Repository and include material from the subdisciplines of archaeology, physical anthropology, and sociocultural anthropology. The majority of the collections are archaeological and were acquired in the course of systematic research at thousands of sites, primarily from Arizona and the Southwest.

Student's duties:
Student will be working closely with faculty, graduate, and advanced undergraduate supervisors in assisting with care and curation of Anthropology Collections. This is position is for students who are interested in working with the archaeological collections, they will gain experience with a variety of ceramics, lithics, groundstone, and ornaments recovered from archaeological excavations. These projects have associated archives including field notes, laboratory analyses, photographs, maps, and reports. The students will help to create permanent records in the catalog database. To do this they will learn how to catalog, categorize and describe artifacts, label, and photograph artifacts and objects. Transitioning artifacts to archival packing and preparing appropriate curation spaces are part of the activities.

Required qualifications or pre-requisites:
There are no prerequisites. This apprenticeship is ideal for students looking for ways to gain more experience in the field of anthropology through experience with material culture collections. We are looking for students with the following personal qualities: punctuality, ability to commit to and keep a regular schedule, attention to detail in record keeping, a sense of curiosity and a desire to learn. Recommended qualifications: Strong writing and research skills, experience using Excel spreadsheets and the ability to work in a team are highly recommended. If you have some skills in photography or previous experience in a museum or a museum-like setting, or data entry, record keeping, be sure to mention that in your application.

Project/internship location:
SHESC curates Anthropology Collections in three different buildings. A variety of collections are curated at each location and internship opportunities provide experience with a variety of materials. >Center for Archaeology and Society Repository (Alameda Building) 734 W. Alameda, Suite 120, Tempe, AZ 85282 Free Parking available, city bus 62 on Hardy Dr. to west, Venus Orbit on Broadway/Roosevelt
intersection. Students should allow time in their schedules to get back and forth between CASR and campus for classes.

**Hours per week or days and times needed:**
You can receive academic credit for this internship. If you can commit to 6 hours a week you will receive 2 credits, if you can commit to 9 hours a week you can receive 3 credits. You must commit to at least 6 hours a week to qualify. Acceptance of an applicant is also based on schedule coordination. Be sure to specify your days and hours of availability in your application. [M-F, 8-5, no evening hours, no weekend hours].

**Project supervisor:**
Melissa Powell

**Supervising faculty:**
Melissa S. Powell, Ph.D., Curator of Collections/ Assistant Research Professor

**Contact information:**
[Melissa.Powell@asu.edu](mailto:Melissa.Powell@asu.edu)
Phone: 480-965-6957
Center for Archaeology and Society Repository
734 W. Alameda Drive, Suite 120
Tempe, AZ 85282
Research project or internship title:
Anthropology Collections Undergraduate Apprenticeship - Ethnographic or Archival Records

Academic discipline:
- Archaeology
- Bioarchaeology
- Museums
- Physical Anthropology
- Sociocultural Anthropology

Project description:
This hands-on internship is ideal for students who are interested in the possibility of working in museums and those who would like to gain experience with material culture collections (ethnographic, archaeological, physical anthropological, and archival). Interns will learn standard museum collections practices relating to the research, cataloging and care of anthropological artifacts by working with the anthropology collections curated at ASU. Most of the anthropological collections at ASU are curated by Center for Archaeology and Society Repository and include material from the subdisciplines of archaeology, physical anthropology, and sociocultural anthropology. The majority of the collections are archaeological and were acquired in the course of systematic research at thousands of sites, primarily from Arizona and the Southwest.

Student’s duties:
Student will be working closely with faculty, graduate, and advanced undergraduate supervisors in assisting with care and curation of Anthropology Collections. This position is for students who are interested in working with the ethnographic, or archival records, they will gain experience with professional and research materials related to projects and collections. Students will learn the basic principles of sorting, inventorying, arranging, describing, preserving and re-housing historical and archival materials.

Required qualifications or pre-requisites:
There are no prerequisites. This apprenticeship is ideal for students looking for ways to gain more experience in the field of anthropology through experience with material culture collections. We are looking for students with the following personal qualities: punctuality, ability to commit to and keep a regular schedule, attention to detail in record keeping, a sense of curiosity and a desire to learn. Recommended qualifications: Strong writing and research skills, experience using Excel spreadsheets and the ability to work in a team are highly recommended. If you have some skills in photography or previous experience in a museum or a museum-like setting, or data entry, record keeping, be sure to mention that in your application.

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Center for Archaeology and Society Repository
734 W. Alameda Drive, Suite 120
Tempe, AZ 85282
Research project or internship title:
Anthropology Collections Undergraduate Apprenticeship - Physical Anthropology Collections

Academic discipline:
- Archaeology
- Bioarchaeology
- Museums
- Physical Anthropology
- Sociocultural Anthropology

Project description:
This hands-on internship is ideal for students who are interested in the possibility of working in museums and those who would like to gain experience with material culture collections (ethnographic, archaeological, physical anthropological, and archival). Interns will learn standard museum collections practices relating to the research, cataloging and care of anthropological artifacts by working with the anthropology collections curated at ASU. Most of the anthropological collections at ASU are curated by Center for Archaeology and Society Repository and include material from the subdisciplines of archaeology, physical anthropology, and sociocultural anthropology. The majority of the collections are archaeological and were acquired in the course of systematic research at thousands of sites, primarily from Arizona and the Southwest.

Student's duties:
Student will be working closely with faculty, graduate, and advanced undergraduate supervisors in assisting with care and curation of Anthropology Collections. Please indicate your areas of interest on your application (you may choose more than one). This position is for students who are interested in working with the physical anthropology collections* they will gain experience with a variety of materials and will learn about these collections, the archaeological excavation collections that recovered these, and appropriate care and documentation for the collections. They will learn identification and documentation procedures while assisting with preparing and verifying the research catalog records. Transitioning collections into appropriate archival packing and storage materials will be included in the activities.

Required qualifications or pre-requisites:
There are no prerequisites (*osteology course preferred). This apprenticeship is ideal for students looking for ways to gain more experience in the field of anthropology through experience with material culture collections. We are looking for students with the following personal qualities: punctuality, ability to commit to and keep a regular schedule, attention to detail in record keeping, a sense of curiosity and a desire to learn. Recommended qualifications: Strong writing and research skills, experience using Excel spreadsheets and the ability to work in a team are highly recommended. If you have some skills in photography or previous experience in a museum or a museum-like setting, or data entry, record keeping, be sure to mention that in your application.

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**Project supervisor:**
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**Contact information:**
Melissa.Powell@asu.edu
Phone: 480-965-6957
Center for Archaeology and Society Repository
734 W. Alameda Drive, Suite 120
Tempe, AZ 85282
Research project or internship title:
Changing Water Availability, Attitudes, and Agriculture in the Western USA

Academic discipline:
☒ Other: Environmental Social Science

Project description:
Farmers are increasingly facing extended periods of drought, shifting rainfall patterns, and more precarious access to surface water, such as the Colorado and Verde Rivers. This project explores existing agricultural practices and attitudes amongst farmers in Arizona. This is project connects ongoing work with the National Science Foundation funded Central Arizona Long Term Ecological Research Site with a new project funded by the United States Department of Agriculture.

Student’s duties:
The student will work with an interdisciplinary team to generate literature reviews, analyze data, and present results for professional and community audiences. Students will assist in interview preparation, interview transcription, and coding.

Required qualifications or pre-requisites:
None

Project/internship location:
SHESC 265 or online

Hours per week or days and times needed:
3-6 hours per week

Project supervisor:
Abigail York

Supervising faculty:
Abigail York

Contact information:
Abigail.york@asu.edu
Research project or internship title: 
Comparative Ethnobotany in Historical Perspective

Academic discipline:
- ☒ Archaeology
- ☒ Bioarchaeology
- ☒ Evolutionary Anthropology
- ☒ Global Health
- ☒ Physical Anthropology
- ☒ Sociocultural Anthropology
- ☒ Other: Environmental Social Science

Project description:
This project centers on analyzing data on the human use of plants. It has two components, and students can either do both or focus on one or the other. First, students will participate in the tabulation of data on the use of plants by contemporary and ancient societies and enter these data into a relational database. These data come from published scientific literature, giving students useful exposure to this work. Second, students will analyze samples of ancient plant remains from archaeological sites using low-power microscopes. Students will sort ancient seeds, woods, fruits, etc. and develop skills to identify them.

Student’s duties:
Database entry; review of published scientific literature; microscope analysis

Required qualifications or pre-requisites:
Preferably courses in biology or botany, taxonomy, as well as introductory courses in anthropology, archaeology, or the environmental social sciences. But no pre-reqs are required.

Project/internship location:
SHESC 143

Hours per week or days and times needed:
At least 1 day a week for 2 hours. More time/credit can be arranged. Must be available, however, Wednesdays and Thursdays, at least when starting. Number of credits and hours beyond that is open to negotiation. More scheduling flexibility can occur as the semester continues and students are more autonomous. However, all apprentices must be available for at least a group meeting every two weeks, which would be Wed or Thursday.

Project supervisor:
Christopher Morehart

Supervising faculty:
Christopher Morehart

Contact information:
christopher.morehart@asu.edu
Research project or internship title:
Culture, Health, and Environment Laboratory Intern

Academic discipline:
☒ Global Health
☒ Sociocultural Anthropology

Project description:
The Culture, Health, and Environment Laboratory (CHEL) has several ongoing projects each semester that combine methods and theory from anthropology, public/global health, and sustainability. Primarily, our work focuses on the Global Ethnohydrology Study (GES), a transdisciplinary, multi-year, multi-site research project that examines cross-cultural perceptions of water issues in the context of globalization, urbanization, and climate change. Our work this semester will primarily focus on water sharing as a form of disaster response. CHEL’s internship program operates each semester with approximately 15 undergraduate interns who work collaboratively with each other and graduate students in data management, analysis, and tool design. The program is designed to encourage students to return in subsequent semesters to develop more advanced research skills.

Student’s duties:
As a result of our many projects, students’ duties will vary. Each student will likely participate on more than one project within the lab. First time interns will begin with data entry and data quality management of the 2018 GES. Returning interns will be working on qualitative data coding of GES surveys. Other duties and projects may develop throughout the semester.

Required qualifications or pre-requisites:
There are no requirements or pre-reqs; we welcome interns at all stages of undergrad study. *Please indicate if you are fluent in languages other than English on your application. *Please indicate if you have any experience with analytic software (e.g., R, SPSS, SAS, MAXQDA, NVivo, UCInet) ** Please indicate if you are a returning intern on your application.

Project/internship location:
SHESC 265

Hours per week or days and times needed:
3 hours per week minimum (preferably in one time block). Exact times will be set around selected interns.

Project supervisor:
Charlayne Mitchell

Supervising faculty:
Amber Wutich and Alexandra Brewis

Contact information:
cfmitche@asu.edu
Research project or internship title: Global Impact Collaboratory Intern

Academic discipline (double click box to check—check all that apply):
- [✓] Sociocultural Anthropology
- [✓] Global Health
- [✓] Other

Project description:
The Global Impact Collaboratory (GIC) partners with international development organizations to figure out how we know when development projects are actually “working” from the perspectives of the people on the ground they are meant to be helping. The GIC has implemented signature projects that feature the innovative application of social research methods for monitoring, evaluation, and learning of projects across a range of topical areas. We endeavor to provide the world’s best learning laboratory for training the next generation of development practitioners.

We are looking for undergraduate research interns for two projects:

1. To code qualitative interview and focus group discussion transcripts for our signature programs. There may be opportunity to work on future research within the Global Impact Collaboratory or in an allied research group after completion.

2. To conduct quantitative research based on clinic records and surveys in a community-based participatory research study on Prenatal Care Utilization in partnership with the Refugee Women’s Health Clinic.

Student’s duties:
(1) Interns will be trained on qualitative data analysis methods and the coding software MAXQDA. Interns will be expected to reach proficiency in coding and then go on to independently code transcripts of interviews and/or focus group discussions. Other duties and projects may develop throughout the semester.

(2) Interns will be trained to work with electronic health information systems EPIC and ChartMaxx in data abstraction. Interns will be expected to independently enter data from medical records into a survey format for a prenatal care utilization and breastfeeding study and quantitative analysis. Interns will be trained in quality control and quantitative analysis. Other duties and projects may develop throughout the semester.

Required qualifications or pre-requisites:
None

Preferred: SSH/ASB 100: Introduction to Global Health or ASB 102: Introduction to Sociocultural Anthropology
- Please indicate if you are fluent in languages other than English on your application.
- Please indicate if you have worked in the Culture, Environment, and Health Lab or qualitative data analysis
- Please indicate if you have worked in medical records, or quantitative data entry or analysis in your application.

Project/internship location:
SHESC 265

Hours per week or days and times needed:
9 hours per week
(1) during SHESC operational hours (8am – 5pm) for lab access
(2) may be more flexible times and locations

Supervising faculty:
Dr. Roseanne Schuster

Contact information:
roseanne.schuster@asu.edu
**Research project or internship title:**
Livelihoods, Endangered Species, and Forestry in Chitwan, Nepal

**Academic discipline:**
- Other: Environmental Social Science

**Project description:**
In a subtropical region of Nepal, communities and households rely on forests for fodder for livestock, thatch for roofing, and fuelwood; these forests are also home to numerous medicinal and culturally important plants, as well as the endangered tiger and one horned rhino. Over the past five years, an interdisciplinary team at ASU has been investigating how households and communities are managing these community forests. The purpose of this project is to analyze household, community forest, and ecological data to understand what management approaches are used and how effective these interventions are for diverse purposes including conversation, livelihoods, and forest health.

**Student's duties:**
The student will work with an interdisciplinary team to generate literature reviews, analyze data, and present results for professional and community audiences. Students will assist in interview preparation, interview transcription, and coding. The student will work with an interdisciplinary team to generate literature reviews, analyze data, and present results for professional and community audiences.

**Required qualifications or pre-requisites:**
None

**Project/internship location:**
SHESC 265 or online

**Hours per week or days and times needed:**
3-6 hours per week

**Project supervisor:**
Abigail York

**Supervising faculty:**
Abigail York

**Contact information:**
Abigail.york@asu.edu
Research project or internship title:
Managing Boom-Bust Cycle of Fracking in Appalachia

Academic discipline:
☒ Other: Environmental Social Science

Project description:
Appalachia has faced economic stress for decades, if not centuries. Beginning around 2010, hydraulic fracturing, otherwise known as fracking, became economically viable due to natural gas prices and technological advances in Ohio, West Virginia, and Pennsylvania. Since that time numerous counties have experienced tremendous fracking activity, but it is unclear how or whether these communities will be able to leverage the fracking boom to create more sustainable futures.

Student's duties:
The student will work with an interdisciplinary team to generate literature reviews, analyze data, and present results for professional and community audiences. The student will assist in interview transcription and coding.

Required qualifications or pre-requisites:
None

Project/internship location:
SHESC 265 or online

Hours per week or days and times needed:
3-6 hours per week

Project supervisor:
Abigail York

Supervising faculty:
Abigail York

Contact information:
Abigail.york@asu.edu
**Research project or internship title:**
Morphological Variation in Projectile Points from the Roosevelt Reservoir Collections

**Academic discipline:**

☑️ Archaeology

**Project description:**
This is a pilot study for my dissertation research on projectile point morphology across the U.S. Southwest. This project is designed to test the methods I will use in my research. Geometric Morphometric (GM) methods will be used for the analysis, but there are several methods that may be work best. This study will help determine which methods are most effective. GM is applicable for 2D and 3D shapes, but 3D data takes considerably more time to acquire. Both 2D and 3D data will be gathered and compared to determine whether 2D or 3D data is necessary to adequately characterize projectile point morphology. The bulk of the research will be photographing or scanning projectile points and creating 3D models using several methods (photogrammetry, RTI, and possibly laser scanning), as well as obtaining weight and basic linear measurements. Data acquisition will be time-consuming and will greatly benefit from additional help in order to complete an adequate sample size (to be determined based on the speed of data acquisition). Data gathered in this project will also be used in my dissertation research.

**Student's duties:**
Create 3D and 2D scans of projectile points and obtain weight and linear measurements (length, width, thickness). Enter metadata and organize project data. 3D modeling is useful for many avenues of research and is a popular activity for hobbyists. This will be a great opportunity for any student to gain experience in this area.

**Required qualifications or pre-requisites:**
Some experience with 3D scanning or modeling and/or photography is preferred, but not required.

**Project/internship location:**
Center for Archaeology and Society Repository 734 West Alameda Drive Suite 120 Tempe, AZ

**Hours per week or days and times needed:**
Up to 8 hours per week. Tuesday and/or Thursday - anytime between 1 pm and 5 pm. Other times can be arranged if needed.

**Project supervisor:**
Robert Bischoff

**Supervising faculty:**
Matt Peeples

**Contact information:**
Robert Bischoff - rjbischo@asu.edu - 801-623-7579
Research project or internship title:
Research on Teotihuacan as an Ancient City

Academic discipline:
☑️ Archaeology

Project description:
Teotihuacan was one of the largest ancient cities in the New World, and there is a long tradition of ASU research there (including an on-site lab holding collections from over 40 field projects). One of the initial projects in the 1960s, the Teotihuacan Mapping Project, surveyed field-by-field across the entire city. The project recorded the locations of thousands of structures and made systematic collections of artifacts from the surface of each one. The following artifact analyses were varied in how far they got, with some artifact types completely analyzed, and others barely touched. At this time, we are completing data entry for several types of data that were recorded on paper forms but never entered into a computer format (including ground stone analyses, and data on figurines and jewelry production), updating GIS files, and creating literature reviews of past work on particular artifact types.

Student's duties:
Students will do about half general data entry or data-checking, and about half background research on a related topic. Students will be expected to complete data entry into computer databases, and to scan paper forms to pdf. Students may also perform basic analyses of the artifact categories that they are most interested in, such as GIS mapping the spatial distributions of artifact classes, and checking whether artifact classes are correlated with ceramics from specific time periods, or with particular types of buildings. Once familiar with the site and datasets, students may develop individual research projects.

Required qualifications or pre-requisites:
Completion of or current enrollment in ASB 222 or 223 (or a higher-level archaeology class) required. Previous experience with Access or other database programs, experience with GIS programs, completion of ASB 337, and the ability to read Spanish are not required. However, they are considered pluses and should be noted on your application.

Project/internship location:
Mesoamerican Archaeology Lab, SHESC 104

Hours per week or days and times needed:
3-9 hours/week, times flexible

Project supervisor:
Angela Huster

Supervising faculty:
Michael Smith

Contact information:
ahuster@asu.edu, Michael.E.Smith@asu.edu
Research project or internship title: Southwest Social Networks Project/cyberSW

Academic discipline: Archaeology

Project description: The Southwest Social Networks/cyberSW Project is a collaborative project focused on applying methods and models from the interdisciplinary field of social network analyses to archaeological data from the U.S. Southwest. The project involves a diverse group of collaborators including archaeologists, sociologists, geochemists, and computer scientists from a number of academic institutions and research organizations. The current goals of the project involving working to build and improve the massive SWSN archaeological database from the U.S. Southwest/Mexican Northwest. This database integrates information from millions of objects from tens of thousands of archaeological sites across the region. These data are being compiled to support a number of ongoing research projects including the development of region-wide population estimates and the use of network analytical methods to explore the dynamics of social interaction over the period from AD 800-1800. The project team is looking for undergraduate students interested in contributing to the development of these data resources and their analyses.

Student's duties: Assist graduate research assistant and faculty with gathering, digitizing, organizing, cleaning and analyzing material cultural data for the cyberSW Database.

Required qualifications or pre-requisites: Basic experience in databases and/or spreadsheets (Excel) is required. Experience or knowledge of US Southwest archaeology and/or basic statistical analysis is preferred, but not required.

Project/internship location: SHESC Building/ASU Main Campus

Hours per week or days and times needed: A minimum of three hours per week M-F, hours flexible. Some work could be done remotely as well.

Project supervisor: Kendall Baller

Supervising faculty: Matt Peeples

Contact information: kballer@asu.edu
**Research project or internship title:**
The Archaeology of Ancient Mexico

**Academic discipline:**
☐ Archaeology

**Project description:**
This project centers on assisting with the organization, tabulation, and analysis of archaeological data recovered from central Mexico. Students will receive experience using digital databases, using spatial analysis software (GIS), using image software, etc. Data include recorded information and photographs of ancient pottery, figurines, stone tools, architectural plan maps, and other excavation-related data.

**Student's duties:**
Students will enter data in a global database of artifacts from an ongoing archaeological project, assist with digitizing photographs and maps in a GIS system, and tabulate data in spreadsheets. Most of this work is computer work.

**Required qualifications or pre-requisites:**
Preferably intro archaeology classes

**Project/internship location:**
SHESC 143

**Hours per week or days and times needed:**
At least 1 day a week for 2 hours. More time/credit can be arranged. Must be available, however, Wednesdays and Thursdays, at least when starting. Number of credits and hours beyond that is open to negotiation. More scheduling flexibility can occur as the semester continues and students are more autonomous. However, all apprentices must be available for at least a group meeting every two weeks, which would be Wed or Thursday.

**Project supervisor:**
Christopher Morehart

**Supervising faculty:**
Christopher Morehart

**Contact information:**
christopher.morehart@asu.edu