Fall 2018
Undergraduate Research Apprenticeship Positions

-AREAS/CONCENTRATIONS FOR RESEARCH-

Applied Mathematics for the Life/Social Sciences
   Archaeology
   Bioarchaeology
Environmental Social Science
Evolutionary Anthropology
Global Health and Medical Anthropology
Museum Studies
Physical Anthropology
Sociocultural Anthropology
Other
Multiple Areas/Concentrations

Students should be certain to check the Multiple Areas/Concentrations section as many opportunities are combined with one or more other concentrations or disciplines.
Research project or internship title: Global Impact Collaboratory Intern

Academic discipline (double click box to check—check all that apply):

- Physical Anthropology
- Archaeology
- Sociocultural Anthropology
- Global Health
- Applied Math
- Bioarchaeology
- Museums
- 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 to code qualitative interview and focus group discussion transcripts for our signature programs. Our interns have analyzed data on topics such as climate change adaptation in Mozambique, formal and informal justice systems in Haiti, and household water insecurity across the globe. There may be opportunity to work on future research within the Global Impact Collaboratory or in an allied research group after completion.

Student’s duties:
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. There may be opportunity to conduct quantitative research depending on data availability and student familiarity.

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 in your application.
- Please indicate if you previously have conducted qualitative data analysis in your application.
- Please indicate if you have worked in the Culture, Environment, and Health Lab previously in your application

Project/internship location:
SHESC 265

Hours per week or days and times needed:
9 or more hours per week, during SHESC operational hours (8am – 5pm) for lab access.

Supervising faculty:
Dr. Roseanne Schuster

Contact information:
roseanne.schuster@asu.edu
Research project or internship title:
Comparative Analysis of Baboon Sociality Project: Maternal Effects on Infant Development

Academic discipline: (Check all that apply)
- □ Applied Mathematics for the Life and Social Sciences
- □ Archaeology
- □ Bioarchaeology
- □ Environmental Social Science
- x Evolutionary Anthropology
- □ Global Health and Medical Anthropology
- □ Physical Anthropology
- □ Museum Studies
- □ Other:

Project description:
This apprenticeship is part of the Comparative Analysis of Baboon Sociality Project (CABS) and a PhD dissertation project. The CABS studies the form and function of social bonds across closely related primate species to gain a deeper understanding of how evolution has shaped social strategies. The dissertation project examines how maternal behavioral and physiological signals predict infant developmental trajectories in wild olive baboons. The components of development measured for this project include infant body growth, activity budgets, and physiology.

Student’s duties:
Students will enter baboon demographic and ecological data into excel spreadsheets and label body size photographs of baboons.

Required qualifications or pre-requisites:
Basic experience with excel spreadsheets.

Project/internship location:
SHESC but students can work remotely.

Hours per week or days and times needed:
Negotiable

Project supervisor:
Sam Patterson

Supervising faculty:
Joan Silk

Contact information:
skpatter7@gmail.com
Research project or internship title: Culture, Health, and Environment Laboratory Intern

Academic discipline (double click box to check—check all that apply):
- [ ] Physical Anthropology
- [ ] Archaeology
- [x] Sociocultural Anthropology
- [x] Global Health
- [ ] Applied Math
- [ ] Bioarchaeology
- [ ] Museums
- [ ] Other

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:
Amber Wutich

Supervising faculty:
Amber Wutich and Alexandra Brewis

Contact information:
amber.wutich@asu.edu
Research project or internship title: **Premolar Molarization in Haplorhine Primates**

**Academic discipline:** (Check all that apply)
- [ ] Applied Mathematics for the Life and Social Sciences
- [ ] Archaeology
- [ ] Bioarchaeology
- [ ] Environmental Social Science
- [X] Evolutionary Anthropology
- [ ] Global Health and Medical Anthropology
- [X] Physical Anthropology
- [ ] Museum Studies
- [ ] Other:

**Project description:**
Among fossil hominins, premolar form varies considerably, but is extreme in the robust australopiths, being highly molarized, approaching the molars in size and shape. This project investigates the relationship between premolar form and diet in primates with the goal of understanding this morphology in the fossil record. To do so, dental molds have been collected from over 500 individuals from 21 primate species. Premolar form will be quantified from three-dimensional models of casts created from these dental molds. Students involved in this project will assist in the creation and analysis of these 3D dental models. The student will gain experience using several programs utilized in the processing and analyzing of 3D models (e.g., Amira, MeshLab, R). The skills gained by participating in this project are useful not only for those who wish to continue in biological/evolutionary anthropology or bioarchaeology studying anatomical form, but also for those interested in pursuing various medical and allied health fields.

**Student’s duties:**
Student will be responsible for creating three-dimensional virtual models of the postcanine (premolars and molars) dentition by scanning casts taken from a number of primate species. The student will also be responsible for data entry and research, and will gain experience with processing and analyzing 3D dental models.

**Required qualifications or pre-requisites:**
Students should demonstrate an interest in the project, possess attention to detail, be highly organized, and be able to follow instructions. Experience operating a computer is required (MAC and/or Windows operating systems, preferred).
Preferred: GPA >3.0, introductory evolutionary anthropology course work (e.g., ASM104)

**Project/internship location:**
SHESC 365

**Hours per week or days and times needed:**
Approximately 5-10 hours per week. Schedule is initially flexible, but must be consistent once coordinated with the project supervisor.

**Project supervisor:**
E. Susanne Daly

**Supervising faculty:**
Gary T. Schwartz

**Contact information:**
Elizabeth.daly@asu.edu
Research project or internship title: 3D Dental Topography and Tooth Wear of Primate Molars

Academic discipline: (Check all that apply)
- ☒ Applied Mathematics for the Life and Social Sciences
- ☒ Archaeology
- ☒ Bioarchaeology
- ☒ Environmental Social Science
- ☒ Evolutionary Anthropology
- ☒ Global Health and Medical Anthropology
- ☒ Physical Anthropology
- ☒ Museum Studies
- ☐ Other:

Project description:
How do primate teeth maintain their function as teeth become increasingly worn? Does molar tooth wear affect all primates equally or do tooth shape and diet play important roles? Can 3D scanning improve our understanding of how the shape of teeth changes over the course of an animal’s lifespan?

This project seeks to answer these questions by using a blue-light surface scanner (Identica Hybrid) to create 3D models of primate upper and lower molar teeth and using these models to measure surfaces of teeth associated with shearing, crushing, and grinding functions. Changes in these functional surfaces will be measured across teeth at varying stages of wear to determine whether primates maintain certain tooth functions throughout their lives, and whether the functions that are maintained differ in species with varying diets.

The sample for this project focuses on the Old World monkeys and apes, which share a last common ancestor 30 million years ago and have evolved very different dietary strategies and dental morphologies. This project will scan the teeth from a sample of the living species, as well as a sample of fossil ancestors of Old World monkeys and apes that were collected from sites in East Africa dating between 28 and 15 million years ago.

Student’s duties:
The student will be trained in how to use the Identica Hybrid 3D surface scanner to create models of teeth. They will also be trained in how to crop and edit these files in the visualization software Amira. For interested students, training can also be given in how to take 3D measurements from teeth using the programs Amira, Meshlab and GRASS GIS. These programs are used in many fields, including archaeology, geography, geology, and design. A basic understanding of how to use 3D visualization programs can be a useful skill for students with a wide variety of interests.

Required qualifications or pre-requisites:
Previous experience with 3D scanning or GIS is preferred but by no means is a requirement.

Project/internship location: SHESC Room 365

Hours per week or days and times needed:
3 days per week (flexible), 2 – 3 hours per scanning session

Project supervisor: Ellis Locke
Supervising Faculty: Dr. Gary Schwartz

Contact information:
Ellis Locke
eellis.locke@asu.edu
203-536-5761
**Research project or internship title:** Techniques of 3D scanning and basic data analysis extracted from 3D scan data

**Academic discipline:** (Check all that apply)
- [ ] Applied Mathematics for the Life and Social Sciences
- [ ] Archaeology
- [x] Bioarchaeology
- [ ] Environmental Social Science
- [ ] Evolutionary Anthropology
- [ ] Global Health and Medical Anthropology
- [ ] Physical Anthropology
- [ ] Museum Studies
- [ ] Other:

**Project description:** Researchers use information from teeth to make inferences about relationships between population and different species. One assumption of this research is that the size and shape of one’s teeth is strongly controlled by genes. This project tests this assumption and tries to understand how the visible aspects of one’s teeth reflect an interplay of genetic and non-genetic factors during development.

**Student’s duties:** The student will be learn the techniques of 3D scanning and basic data analysis extracted from 3D scan data.

**Required qualifications or pre-requisites:** Successfully having completed and passed ASM 452: Dental Anthropology, prior experience with scanning or photogrammetry is desired. Experience with human osteology databases is desired. Photography skills are highly desired.

**Project/internship location:** SHESC 302

**Hours per week or days and times needed:** flexible, roughly ten hours per week is optimal.

**Project supervisor:** Chris Stojanowski

**Supervising faculty:** Chris Stojanowski

**Contact information:** cstojano@asu.edu
**Research project or internship title:** Las Colinas Archaeological Database and Mapping Project

**Academic discipline:** (Check all that apply)
- [ ] Applied Mathematics for the Life and Social Sciences
- [x] Archaeology
- [ ] Bioarchaeology
- [ ] Environmental Social Science
- [ ] Evolutionary Anthropology
- [ ] Global Health and Medical Anthropology
- [ ] Physical Anthropology
- [ ] Museum Studies
- [ ] Other:

**Project description:**
We are seeking two student researchers to assist with the creation of an archaeological ceramics database and digital map for the site of Las Colinas. Las Colinas is a large and important Hohokam site in the Phoenix Basin, where large-scale excavations were conducted in both the 1960s and 1980s. Today, data from these excavations exist only as paper records.

This project is aimed at creating a new and usable digital database of the archaeological ceramics at Las Colinas, and creating a digital map of the site and its features, synthesizing information from both excavations.

Preferred applicants should possess basic computer skills and an interest in archaeology and archaeological data. Experience with spreadsheets, databases, data entry, and working with a GIS would be a plus, though students lacking this experience should not be discouraged. Students will be trained in all necessary tasks. Students would also have the opportunity to use project data for research (term paper, thesis, or conference presentations) alone or in collaboration with the project supervisors.

**Student’s duties:**
This project encompasses two main tasks:
1. Working from archival records to build a database of archaeological ceramics from the Las Colinas excavations. (Scanning documents, data entry, database management)
2. Working from archival records to digitize site features in a GIS. (scanning maps, digitizing features)

**Required qualifications or pre-requisites:**
Preferred applicants should possess basic computer skills and an interest in archaeology and archaeological data. Experience with spreadsheets, databases, data entry, and working with a GIS would be a plus, though students lacking this experience should not be discouraged. Students will be trained in all necessary tasks.

**Project/internship location:** SHESC 154, ASU Tempe Campus

**Hours per week or days and times needed:** 3-6 hours/week, negotiable.

**Project supervisor:** Caitlin A. Wichlacz and Christopher Schwartz

**Supervising faculty:** Dr. David R. Abbott

**Contact information:**
caitlin.wichlacz@asu.edu
Research project or internship title: “The Teotihuacan Mapping Project”

Academic discipline (double click box to check—check all that apply):

- XX Archaeology
- XX Other – Museums and public outreach

Project description:
ASU runs an archaeological laboratory at Teotihuacan, one of the largest and most important ancient cities of the New World. Dr. Michael E. Smith is currently Director of the lab. We have groups of undergraduates carrying out a variety of tasks, here at ASU and in Mexico in the summer. Most activities center on the Teotihuacan Mapping Project, one of the major archaeological projects in Mexican archaeology. Once the map of Teotihuacan was completed (1973), much of the work of this project remained incomplete. We are organizing paper and electronic files, entering data, checking major artifact categories, working on GIS studies of the map, and making sure that key information is recorded before uploading the data to tDAR to archive it permanently. We also have undergraduate research activities based on data from the Teo Mapping Project, including studies of burial offerings, research on housing, and work on figurines and craft production. We are also looking for help with communications, public outreach and social media. See our website: [https://teo.asu.edu/](https://teo.asu.edu/). See some of the videos about the ASU lab: [https://asunow.asu.edu/20160826-discoveries-asu-teotihuacan-research-lab-mexico](https://asunow.asu.edu/20160826-discoveries-asu-teotihuacan-research-lab-mexico)

Student duties, (1) Teotihuacan Mapping Project data rescue and archiving
- Data entry into computer databases, and to scan paper forms to pdf.
- Perform basic analyses of artifact categories, such as mapping the spatial distributions of figurines, or tallying the traits of other artifact categories
- Once familiar with the site and datasets, students may develop individual research projects.

Student’s duties, (2) Misc research projects:
- Work on architecture and spatial patterns of Teotihuacan housing categories and wealth
- Contribute to an ongoing project of analyzing the burials of Teotihuacan. See: [https://asunow.asu.edu/20171122-asu-students-learn-dead-teotihuacan](https://asunow.asu.edu/20171122-asu-students-learn-dead-teotihuacan)
- Contribute to our GIS analyses of the Teotihuacan map.

Student’s duties, (3) Communications & outreach:
- Help develop our social media activities on Twitter, Instagram, and other platforms.
- Organize publicity materials for the Teotihuacan website and work with the webmaster

Required qualifications or pre-requisites:
- Classwork or fieldwork experience in archaeology, or a related field such as history
- GPA > 3.0

Recommended qualifications:
- Experience working with archaeological data, and/or museum outreach activity
- Good writing and editing skills; web design; computer graphics
- Reading knowledge of Spanish is a plus.

Project/internship location:
- Mesoamerican Archaeology Laboratory, SHESC-104

Hours per week or days and times needed:
- 3 to 12 hours per week. Times depend on the schedules of other project members.

Project supervisor:
- Dr. Angela Huster: [Angela.Huster@asu.edu](mailto:Angela.Huster@asu.edu)
- Dr. Michael E. Smith: [mesmith9@asu.edu](mailto:mesmith9@asu.edu)
**Research project or internship title:** What can Twitter Teach us About Hazards Risk?

**Academic discipline (double click box to check—check all that apply):**
- Physical Anthropology
- Archaeology
- X Sociocultural Anthropology
- X Global Health
- Applied Math
- Bioarchaeology
- Museums
- X Other (environmental social science)

**Project description:**
We are interested in using data from Twitter to better understand how people talk about the risks of natural hazards. Specifically, we will be identifying “risk signals” for sociotechnical and natural hazards including: hurricanes, wildfires, tornados, power failure, and extreme heat using Twitter data from Jan 1 2016 – present. This data was collected as part of the Socio-Environmental Data Explorer project sponsored by the National Socio-Environmental Synthesis Center (SESYNC).

Using text analysis and machine learning we will categorize Tweets for each hazard as relevant or non-relevant. In addition we will qualitatively code several hundred Tweets as either informative (sharing 'objective' descriptive information) or interpretive (sharing 'subjective', speculative, or opinionated information). Once we have these Tweets coded by a human we will use those results to train a computer to do the same thing. Ultimately, we want to see if it will be possible to train the computer to do this with an acceptable degree of accuracy.

**Student’s duties:**
Primarily the student will help code Tweets for different risks as relevant or not, and interpretive or informative. In addition, the student will have opportunities to learn both qualitative and quantitative techniques including, how to create code definitions in a codebook, and how to automate content analysis using basic machine learning. The student will also be supported in pursuing their own research questions using social media and risk event data.

**Required qualifications or pre-requisites:**
No previous experience or expertise is required.

**Project/internship location:**
ASU Tempe campus, with the option of doing most work remotely.

**Hours per week or days and times needed:**
Flexible, can participate for a commitment of anywhere from 3-20 hours per week. Can be discussed and decided in advance with the research supervisor.

**Project supervisor:**
Paul Chakalian

**Supervising faculty:**
Dr. David Hondula

**Contact information:**
paul.chakalian@asu.edu (please include study title in subject line)
Research Project Title: Learning how to conduct literature reviews for publication, and primary data entry and management

Academic disciplines: Global Health, Anthropology, Niche Construction Theory and Population Health

Academic discipline (double click box to check—check all that apply):

- Physical Anthropology
- Archaeology
- Sociocultural Anthropology
- Global Health
- Applied Math
- Bioarchaeology
- Museums
- Other

Project Description:

The objectives of the literature review internship are to:

- Conduct systematic reviews of the literature on one of several topics (Domestic Violence, Neglected Diseases, the Health of Latin American Indigenous Peoples, Soils and the Human Microbiome, and the Evolutionary Origins of Asthma and Allergies. Our lab also welcomes novel ideas for literature reviews from interns).

Analyze, graph, describe and summarize data patterns for publication the objectives of the data entry and management are to – 1) Under Prof Hurtado’s supervision and training, extract and enter qualitative and quantitative data gathered in small-scale societies of lowland South America. Tasks: Interns will learn/practice secondary and primary data entry, data management for analyses, and/or interpretation of results and write up of papers for publication in peer review journals.

Required qualifications or pre-requisites:
Ability to work independently • Ability to meet deadlines • Ability to adjust to unexpected challenges • Curiosity • Creativity • Collegiality • Persistence • Enjoy intellectual challenges

Hours per week or days and times needed: 10 hours per week

Project supervisor:
Nalubega Ross and A. Magdalena Hurtado

Contact information:
Ana Magdalena Hurtado (amhurtad@asu.edu).
Research project or internship title: Primate Community Ecology

Academic discipline: (Check all that apply)
- [ ] Applied Mathematics for the Life and Social Sciences
- [ ] Archaeology
- [ ] Bioarchaeology
- [ ] Environmental Social Science
- [x] Evolutionary Anthropology
- [ ] Global Health and Medical Anthropology
- [ ] Physical Anthropology
- [ ] Museum Studies
- [x] Other: Primatology, Biology & Ecology

Project description:
This project examines environmental and ecological factors that influence primate community structure globally. We are currently building a large comparative dataset for macroecological analyses aimed at better understanding modern primate diversity and distributions. A subset of this broader research goal is currently being addressed in a dissertation research project using modern cercopithecid (Old World Monkey) dental morphology and dietary ecology to interpret fossil primate assemblages.

Student’s duties:
Undergraduate researchers would assist with data collection from the literature, using published sources to collect information on site community composition, species diet, and other ecological factors. Interested students will also be trained on R software to perform statistical analyses on collected data and will work with the project coordinator to interpret the results.

Required qualifications or pre-requisites:
Upper-level students are preferred, and applicants will ideally have taken or be enrolled in Primatology (ASM 343). However, all interested students are invited to apply or contact Irene for more information.

Project/internship location:
Tempe campus: Social Sciences building (218F).

Hours per week or days and times needed:
Hours and days are flexible and may be arranged individually with the project coordinator. Student researchers will ideally be available a minimum of 3-5 hours per week.

Project supervisor: Irene E. Smail

Supervising faculty: Kaye E. Reed

Contact information: Irene E. Smail (iesmail@asu.edu)
**Research project or internship title:** Internship in the Laboratory for Culture Change and Behavior

**Academic discipline (double click box to check—check all that apply):**
- [ ] Physical Anthropology
- [ ] Archaeology
- [x] Sociocultural Anthropology
- [x] Global Health
- [ ] Applied Math
- [ ] Bioarchaeology
- [ ] Museums
- [ ] Other

**Project description:** Research apprentices will contribute to two ongoing projects at the Laboratory for Culture Change.

*Global Inequalities and Health.* This project explores how various forms of social and economic inequality around the world shape health risks and create health disparities. A major focus of the project this year is to characterize ethnic and caste disparities across a range of low-income countries and analyzing the consequences of such disparities for health and well-being in diverse contexts.

*Assessing Household Wealth in Low- and Middle-Income Countries.* Household wealth is one of the most important predictors of health and well-being. However, there is little consensus on how to assess wealth in low and middle-income settings. We will be conducting a global review of how wealth is assessed in diverse cultural settings.

**Student’s duties:** Weekly attendance at one-hour lab meetings. Completion of weekly lab activities and preparation for lab meetings (2-3 hours + 1 hour lab meeting).

Depending on the project, students gain experience in data collection through interviews and other methods (experiments, pile sorting, free-listing, surveys), as well as an understanding of how such data gets analyzed and presented (with optional hands-on experience of using the analysis software). Students also may gain experience conducting systematic literature reviews. Other possible duties: pre-testing interview protocol, short survey dissemination, literature review.

**Required qualifications or pre-requisites:** We seek highly motivated students with a strong work ethic and attention to detail. Experience using Excel preferred.

**Project/internship location:**
Matthews Center 203N.

**Hours per week or days and times needed:**
3-4 hours per week. Lab meeting dates to be announced.

**Project supervisor:** Dr. Daniel Hruschka
**Supervising faculty:** Dr. Daniel Hruschka
**Contact information:** Dr. Daniel Hruschka, dhruschk@asu.edu
**Research project or internship title:** Comparative Ethnobotany

**Academic discipline:** (Check all that apply)

- [ ] Physical Anthropology
- [x] Archaeology
- [ ] Sociocultural Anthropology
- [x] Environmental Social Science
- [ ] Global Health
- [ ] Applied Math
- [ ] Bioarchaeology
- [x] Museum Studies
- [ ] Other

**Project description:**
This project is centered on the analysis and compilation of archaeological data from several recently studied archaeological sites in central Mexico. Students will be assisting in processing archaeological data in systematic databases, integrating spatial data into a geographic information system, managing archaeological photography and maps, as well as participating in the study and interpretation of archaeological data.

**Student’s duties:**

1. Databasing pottery, figurines, stone tool, etc. data into an integrated relational database
2. Managing and organizing archaeological excavation and artifact photos
3. Creating digitized drawings of excavation data, such as ancient buildings and houses, as well as artifacts
4. Entering archaeological inventory data from field sheets into database formats.
5. This research can lead to publications, theses, and other opportunities

**Required qualifications or pre-requisites:**

Ideally introductory classes in anthropology and archaeology. These are not essential.

**Project/internship location:**

SHESC 143

**Hours per week or days and times needed:**

Negotiable

**Project supervisor:**

Chris Morehart

**Supervising faculty:**

Chris Morehart

**Contact information:**

Christopher.morehart@asu.edu
Research project or internship title: Comparative Ethnobotany

Academic discipline: (Check all that apply)

- [ ] Physical Anthropology
- [x] Archaeology
- [ ] Sociocultural Anthropology
- [x] Environmental Social Science
- [ ] Global Health
- [ ] Applied Math
- [ ] Bioarchaeology
- [ ] Museum Studies
- [ ] Other

Project description:

This project has two components: 1: Analyzing ancient botanical remains from archaeological sites to reconstruct past subsistence activities and environments. Data will come from major archaeological sites in Mexico, Belize, and Guatemala. 2: Students will compile comparative ethnobotanical data from published literature to systematically record plants used for food, medicine, ritual, etc.

Student's duties:

1. Microscopic analysis of ancient plant remains. Students will receive training in basic microscopy, basic plant anatomy and taxonomy, data management.
2. Students will contribute data from the published literature into a comprehensive database on the ethnobotany of Middle America
3. This research can lead to publications, theses, and other opportunities

Required qualifications or pre-requisites:

Ideally introductory classes in anthropology, archaeology, and biology. These are not essential.

Project/internship location:

SHESC 143 and 110a

Hours per week or days and times needed:

Negotiable

Project supervisor:

Chris Morehart

Supervising faculty:

Chris Morehart

Contact information:

Christopher.morehart@asu.edu