The Field Methods in Archaeology course is a 4-week, intensive introduction to several of the foundational methods of archaeological fieldwork. Participants learn an array of strategies to collect archaeological information through participation in an ongoing research program in northern New Mexico. The Summer 2019 field season will be unique in that our research strategies are defined in large part by a program designed in collaboration with Picuris Pueblo leadership and community members. The Picuris community has agreed to host research that will be shared among groups from three different universities. This is the second year of a planned 3-year collaboration between Picuris Pueblo and three academic programs from SMU, Barnard College and the University of Arizona.

Field School Staff:
This summer you will have the opportunity to receive field, lab and classroom training by three Principal Investigators, as well as direction and input from a paid Tribal Liaison from Picuris Pueblo. These include:

Instructors  
Dr. Michael Adler (Southern Methodist University): Co-P.I.  
Dr. Lindsay Montgomery (University of Arizona)  
Dr. Severin Fowles (Barnard College): Co-P.I.  
Richard Mermejo (former Picuris Governor and War Chief): Tribal Liaison

Ethics of Archaeological Field Research at Picuris Pueblo
As participants in a program focused on the study of the material heritage of Indigenous, Hispanic American, and Anglo American communities in New Mexico, students and faculty are expected to maintain a genuine and consistently respectful stance with respect to community members at Picuris Pueblo, Dixon NM, and any other participants in the program. This respect extends to the archaeological remains and the descendants whose identities are linked to these materials.

Required Readings
Field archaeology programs are, first and foremost, designed to deeply involve participants in ongoing field investigations led by trained professionals. This is intense and meaningful research and discovery that must be done effectively and efficiently in a compressed amount of time. Field schools are not like traditional
courses taken on campus during the academic year given the need for singular focus on the research program. The primary expectations is that participation in original research is fully embraced by all those involved. The primary focus will be on the collection, documentation, and careful curation of archaeological information. In a few cases this also includes the documentation of oral traditions, anecdotal information, and other supporting evidence. The SMU-in-Taos campus contains a strong reference library, laboratory facilities and other support infrastructure to support this research. Your professional supervisors will expect a high level of focus and involvement in the research. While the primary focus is on the field collection of archaeological data, all students are expected to read a series of shared texts during their evenings and on “free” days during the field program. All texts will be available online canvas and will serve as the focus for several planned evening discussion sessions.

**Background Readings:**

**Additional Discussion-Oriented Texts:**
COURSE STRUCTURE
The field season will be organized around three field-based learning components:

1. **The Ancestral Picuris Field System**: The area surrounding modern Picuris Pueblo contains traces of large scale agricultural production. Documenting the extent of the Picuris field system, the crops that were once grown there, and the chronology of field construction and use is vital to understanding Picuris’s economic position during the early colonial period. We will conduct reconnaissance surveys to explore the potential of future research focused on the variability in field locations, sizes and types surrounding Picuris Pueblo.

2. **Picuris Field System Excavations**: Based on the sample of field locations from the 2018 and beginning 2019 survey, we will select a number of field features to excavate. We will be documenting the construction techniques utilized for various field configurations, the types of soil profiles within and outside these field structures, and sampling soils for plant opal phytoliths, pollen, and sediment structure.

3. **Dixon Plaza excavations**: We will also conduct excavations in the Dixon Plaza in order to understand interactions between Picuris and the local Hispano population.

**Student Learning Outcomes**

Students who successfully complete the Picuris Field School will understand the principles of and develop foundational skillsets in the following areas:

- **Tribal Collaboration**: Formal classroom study of decolonizing methodologies and indigenous approaches to archaeology will support daily work alongside tribal leaders.

- **Excavation**: All students will gain experience laying out, excavating and documenting archaeological units in either pre-colonial agricultural fields or colonial domestic spaces. Methods for the collection and processing of excavated samples (phytolith, pollen, and flotation) as well as for the documentation of stratigraphy and features will be emphasized.

- **Pedestrian Survey**: Transect survey, in-field artifact analysis of ceramics and chipped stone, and expedient site mapping (including map production using tape-and-compass as well as GPS methods) will be learned through hands-on fieldwork on the Picuris reservation.

- **Ceramic Analysis**: All students will gain a thorough knowledge of the northern Rio Grande’s ceramic typology from 1000-1900 CE; they will be trained in both attribute and typological analyses; and they will be charged with reporting on an original analysis of the ceramics in their assigned artifact assemblage.

- **Chipped Stone Analysis**: All students will gain a basic knowledge of the northern Rio Grande’s chipped stone sources as well as those imported from the Southern Plains; they will be trained in the basic archaeological conventions for recording chipped stone debitage and tools; and they will be charged with reporting on an original analysis of the chipped stone in their assigned artifact assemblage.
• **Geospatial analysis**: All students will gain a basic knowledge of field data collection using OpenDataKit, geospatial data analysis using QGIS, and knowledge of how to work with remote sensing and other Geophysical data collected during archaeological survey and excavation.

### METHOD OF EVALUATION

**Participation (50%)**
Archaeological field schools demand intensive engagement. Because the SMU Field School is a 3-credit course, students are expected to participate in field-based research activities for a minimum of 4 hours per day, with the opportunity to spend longer periods of time in the field if the student wishes to do so. The more field research time you spend, the more comprehensive your field education will be.

Students will also work on self-directed research projects that will require evening and weekend time. Successful participation in the Picuris Field School requires (1) alert attendance at all scheduled events, (2) continuous progress toward the research goal at hand (excavation, survey, artifact analysis, and so on) when not on a scheduled break, (3) a readiness to seek guidance from field directors and their teaching assistants when new or unexpected fieldwork situations arises, (4) respectful engagement with the Picuris host community at all times, and (5) thoughtful reflection on the intellectual and ethical aspects of the field program during group discussions.

**Field Documentation (15%)**
Archaeological research depends on complete, accurate, and careful documentation of both the methods used and the discoveries made in the field and laboratory. All participants will be trained in the conventions of professional archaeological documentation, and they will be empowered to compose the primary records during excavation, survey, and mapping projects. Skill in these practices will be continuously evaluated and feedback will be continuously provided.

**Assemblage Research and Writing (15%)**
All students will be expected to produce three 500-word descriptions focusing on one of these four topics: (1) a ceramic artifact recorded in the field, (2) a feature documented in the field, (3) a lithic artifact recorded in the field, and/or (4) an historic artifact (e.g. glass, metal, etc.) recorded in the field. So students will cover three of four of these focal topics. These writings will be done in consultation with the project director.

**Final Project (20%)**
Each student will also be asked to produce a 3-4 page final report that focuses on the process of indigenous collaboration and Native engagements with archaeology. **This final writing project due on July 10, through SMU Canvas.**
FIELD SCHOOL SCHEDULE

Nota Bene: All archaeological fieldwork is necessarily flexible in order to accommodate new findings, unforeseen complications and other issues. Hence, this is an IDEALIZED schedule that is subject to change and alteration by the project directors.

Tuesday, June 4: Arrival at SMU-in-Taos
- 5:00pm: All students arrive at SMU in Taos
- 5:00-6:00pm: Organization of the student campsite and dinner
- 6:00-7:00pm: Introductions and Orientation

Wednesday, June 5: Pot Creek Site Visit
- 6:45-7:30am: Breakfast
- 8:00am-10:00am: Pre-colonial Ceramic & Lithic Introduction: Archaeology Lab
- 10:00am-12:00pm: Pot Creek Tour & Field Identification of Artifacts
- 12:00-1:00pm: Lunch Break, lunch in cafeteria, pack snacks in case we get back to dinner late
- 1:00 Depart cafeteria for Picuris Pueblo
- 1:30-5:00pm: Picuris Site Tour (church, convento, old ruins, museum)
- 5:00-7:00pm: Community Meeting & Dinner

Thursday, June 6: Dixon Fieldwork Tour
- 6:45-7:30am: Breakfast
- 8:00-11:00am: El Bosque Site Tour & Artifact Identification Exercise
- 11:30am-12:30pm: Lunch Break @ Mission Embudo
- 12:30-4:00pm: Colonial Ceramic Identification Exercise and Dixon tour
- 5:00-8:00pm: Dinner at Dixon, hosted by Barnard College program

Friday, June 7: Field System Work
- 6:45-7:30am: Breakfast
- 8:00-12:00pm: Archaeological Survey at Picuris
- 12:00-12:30pm: Lunch Break
- 12:30-3:30pm: Optional Archaeological Survey at Picuris
- 4:30-5:30pm: EVENING LECTURE by Dr. Diane Austin, SMU in Taos campus
- 6:00-7:00pm: Dinner

Saturday, June 8: Begin Excavation Work at Picuris Pueblo
- 6:45-7:30am: Breakfast and Pack Lunch
- 8:00-12:00pm: Lay out datum and excavation units at Picuris Agricultural Features
- 12:00-12:30pm: Lunch Break and return to campus
- 1:00-6:00pm: FREE TIME
Sunday, June 9: FREE DAY

- 4:00-6:00 Volleyball Tournament starts on Taos Campus
- 5:00 – 6:00 Cookout on Taos campus, includes Barnard College group
- 7:00-9:00pm: **Dinner and Indigenous Archaeology Readings Discussion 1**

Monday, June 10: Excavation Research at Picuris Agricultural Features

- 6:45-7:30am: Breakfast
- 8:00-12:00pm: Archaeological Excavations at Picuris
- 12:00-12:30pm: Lunch Break
- 12:30-4:00pm: Optional Archaeological Excavations at Picuris
- 5:00-6:30pm: Dinner

Tuesday, June 11: Excavation Research at Picuris Agricultural Features

- 6:45-7:30am: Breakfast
- 8:00-12:00pm: Archaeological Excavations at Picuris
- 12:00-12:30pm: Lunch Break
- 12:30-4:00pm: Optional Archaeological Excavations at Picuris
- 5:00-6:15pm: Dinner
- 7:00pm: **EVENING LECTURE:** Andrew Graybill “The Red and the White: a Family Saga of the American West”

Wednesday, June 12: San Antonio Feast Day

- 7-8:00am: Breakfast
- Morning: Children’s Foot Race at Picuris
- 12:00-2:00pm: Lunch at Picuris
- Afternoon: FREE TIME
- 6:00-7:00pm: Dinner

Thursday, June 13: Excavation Research at Picuris Agricultural Features

- 6:45-7:30am: Breakfast
- 8:00-12:00pm: Archaeological Excavations at Picuris
- 12:00-12:30pm: Lunch Break
- 12:30-4:00pm: Optional Archaeological Excavations at Picuris
- 5:00-6:30pm: Dinner

Friday, June 14: Excavation Research at Picuris Agricultural Features
- 6:45-7:30am: Breakfast
- 8:00-12:00pm: Archaeological Excavations at Picuris
- 12:00-12:30pm: Lunch Break
- 12:30-4:00pm: Optional Archaeological Excavations at Picuris
- 5:00-6:30pm: Dinner

Saturday, June 15: Community Day at Picuris
- 6:45-7:30am: Breakfast
- 8:30-12:00pm: Community Day
- 12:00-1:00pm: Lunch Break
- 1:00-4:00pm: Community Day
- 5:00-7:00pm: Dinner

Sunday, June 16: FREE DAY
- 7:00-9:00pm: Dinner and Indigenous Archaeology Discussion 2

Monday, June 17: Excavation Research at Dixon
- 6:45-7:30am: Breakfast
- 8:00-12:00pm: Archaeological Excavations at Dixon
- 12:00-12:30pm: Lunch Break
- 12:30-4:00pm: Optional Archaeological Excavations at Dixon
- 5:00-6:30pm: Dinner

Tuesday, June 18: Excavation Research at Dixon
- 6:45-7:30am: Breakfast
- 8:00-12:00pm: Archaeological Excavations at Dixon
- 12:00-12:30pm: Lunch Break
- 12:30-4:00pm: Optional Archaeological Excavations at Dixon
- 5:00-6:15pm: Dinner

Wednesday, June 19: Excavation Research at Dixon
- 6:45-7:30am: Breakfast
- 8:00-12:00pm: Archaeological Excavations at Dixon
- 12:00-12:30pm: Lunch Break
- 12:30-4:00pm: Optional Archaeological Excavations at Dixon
- 5:00-6:30pm: Dinner
Thursday, June 20: Excavations at Picuris Agricultural Features
- 6:45-7:30am: Breakfast
- 8:00-12:00pm: Excavations at Picuris Agricultural Features
- 12:00-1:00pm: Lunch
- 1:00-4:00pm: Optional excavations
- 5:00-7:00pm: Dinner

Friday, June 21: Excavations at Picuris Agricultural Features
- 6:45-7:30am: Breakfast
- 8:00-12:00pm: Excavations
- 12:00-1:00pm: Lunch
- 1:00-4:00pm: Optional excavations
- 5:00-7:00pm: Dinner

Saturday, June 22: Mount Tsikamu Tour

Sunday, June 23: Ohkay Owingeh Feast Day

Monday, June 24: Excavations and survey at Picuris
- 6:45-7:30am: Breakfast
- 8:00-12:00pm: excavations
- 12:00-1:00pm: Lunch
- 1:00-4:00pm: excavations
- 5:00-7:00pm: Dinner

Tuesday, June 25: GIS Mapping workshop
- 6:45-7:30am: Breakfast
- 8:00-12:00pm: Open morning
- 12-1:00pm: Lunch at Picuris
- 1-4:00: Introduction to Geospatial Data with QGIS
- 4-5:00pm: Introduction to Remote Sensing and Raster with QGIS and Google Earth
- 5:00-6:15pm: Dinner

Wednesday, June 26: Excavations at Picuris and Mapping workshop
- 6:45-7:30am: Breakfast
- 8:00-12:00pm: Excavations at Picuris
- 12-1:00pm: Lunch
- 1-3:00pm: Introduction to Field Data Collection with OpenDataKit and Google Sheets
- 3-5:00pm: Geo-Clinic: Tips & Tricks
- 5:00-7:00pm: Dinner

Thursday, June 27: Excavation Research at Picuris Agricultural Features
- 6:45-7:30am: Breakfast
• 8:00-12:00pm: Archaeological Excavations at Picuris
• 12:00-12:30pm: Lunch Break
• 12:30-4:00pm: Optional Archaeological Excavations at Picuris
• 5:00-6:30pm: Dinner

Friday, June 28: Excavation Research at Picuris Agricultural Features
• 6:45-7:30am: Breakfast
• 8:00-12:00pm: Archaeological Excavations at Picuris
• 12:00-12:30pm: Lunch Break
• 12:30-4:00pm: Optional Archaeological Excavations at Picuris
• 5:00-6:30pm: Dinner

Saturday, June 29: Field trip to Pecos Pueblo
• 6:00-8:00pm: Cook Out at Dixon

Sunday, June 30: FREE DAY
• 6:00-8:00pm: Cook Out at SMU

Monday, July 1: Clean up and close excavations at Picuris Pueblo

Tuesday, July 2: Last Class Day

Wednesday, July 3, Departure Day