F22.019: Apex, Arizona Data Analysis

Faculty mentor: Emily Dale

Overview
In Summer 2022, in a collaboration between the NAU Department of Anthropology and the Kaibab National Forest (KNF), Dr. Emily Dale is running an archaeological field school at Apex, Arizona. Apex, a logging camp constructed by the Saginaw and Manistee Lumber Company near Tusayan. Apex was occupied between 1928 and 1936 and provided much-needed timber to the Grand Canyon Railway, Grand Canyon National Park, and mines in the neighboring Francis District. The surveys and excavations of the site during Summer 2022 will result in a large amount of data that will be processed over the following year. This proposed Interns-to-Scholars project can accommodate two students that, in consultation with Dr. Dale, will develop a research project aligned with their own interests that will assist in the processing of the field data. Projects could include, but are not limited to: -Digitizing and analyzing field notes, photos, and maps -Analyzing GIS data -Analyzing Remote Sensing data -Conducting further historical research on Apex, the Saginaw and Manistee Lumber Company, and/or the Grand Canyon Railway based on field findings -Analyzing the results of public archaeology surveys While the project is archaeological in nature, interns from Forestry, Geography, Planning, and Recreation, Geology, and History are also encouraged to apply.

What the student will DO and LEARN
Students will learn key skills in archaeological laboratory methods, data analysis, report writing, and collaborative and public archaeology. Based on their chosen project, students will learn skills and conduct research using software and methods most important to their own personal interests, such as ArcGIS, historical research, photography, Adobe Photoshop, database management (e.g., Excel, Access, and/or PastPerfect), and/or statistical analysis (e.g., SPSS). All of these hard skills fit easily into the "Skills" section of a résumé or CV. Furthermore, all student work, including any written work, maps, photographs, tables, charts, and graphs, will be incorporated into the required site reports for the Kaibab National Forest and Arizona Humanities. The I2S student interns would be listed as co-authors for the volume, sole authors for specific sections, and/or credited in captions for images based on their contributions. The interns could include these on their résumé or CV and submit their work as writing samples for graduate school applications or similar.

Additional benefits
The outcomes will also serve to build the interns' resumes, including hard skills and publications. Students will build networking relationships between the student and larger institutions, such as the Kaibab National Forest. Finally, students will have the opportunity to build a research project based on their own interests.

Additional qualifications
Previous experience with software and methods they are interested in are preferred. For example, if they wish to work with GIS data, the student should have taken a course in ArcMap or similar.

Time commitment
5 hrs/week for 15 weeks