

Activity Title: Herbarium Assistant

Validator Name: Dmitry Sveshnikov

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Department Organization: Environmental Science, School of Science and the Environment

Activity Category: Experiential learning opportunities

Activity Description:

- 1) Assist with herbarium-based student activities, coursework, and community outreach events.
- 2) Assist research projects based at the herbarium, including faculty, student, and community science projects.
- 3) Assist daily operation of the herbarium collection, including specimen maintenance, digital databasing and mapping.

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Anticipated learning outcomes:

- Use of archives and collections for university teaching and research.
- Scientific outreach and community engagement projects.
- Organization and maintenance of biological collections and archives.
- Professional handling of biological specimens and materials.
- Field and laboratory experience, collecting specimens and recording data.
- Operation of scientific instruments and software.
- Computer image acquisition, image processing.
- Geographic information systems, mapping.
- Data management, processing and presenting.
- Creation, update, maintenance and publishing of digital databases.
- Data, material, and personal safety principles in scientific experimental work.

Student Success Competencies:

- Academic Knowledge
- Creative Thinking/Problem Solving
- Professionalism
- Teamwork