

# MUSEUM AND FIELD STUDIES

Graduate training in anthropology, art history, history, botany, entomology, paleontology and zoology is provided under the direction of museum faculty in cooperation with cognate departments and the Museum and Field Studies Program. Areas of study include, but are not limited to:

- anthropological interpretation
- diatom taxonomy, systematics and ecology
- southwestern archaeology and ethnology
- plant taxonomy, evolution and phytogeography
- vertebrate paleontology and Cenozoic mammals
- biology of aquatic invertebrates
- systematics and population biology of insects of the Rocky Mountain Region
- plant–insect interactions
- mammalogy

Museum assistantships include support from the Walker Van Riper fund and research support from the Collie and William Henry Burt museum funds. Other financial assistance is available to selected students. Students interested in working toward advanced degrees under the direction of museum faculty may use the contact information above.

Course code for this program is MUSM.

## Master's Degree

- Museum and Field Studies - Master of Science (MS) ([catalog.colorado.edu/graduate/colleges-schools/arts-sciences/programs-study/museum-field-studies/museum-field-studies-science-ms](https://catalog.colorado.edu/graduate/colleges-schools/arts-sciences/programs-study/museum-field-studies/museum-field-studies-science-ms))

## Certificate

- Museology - Graduate Certificate ([catalog.colorado.edu/graduate/colleges-schools/arts-sciences/programs-study/museum-field-studies/museology-graduate-certificate](https://catalog.colorado.edu/graduate/colleges-schools/arts-sciences/programs-study/museum-field-studies/museology-graduate-certificate))

## Faculty

While many faculty teach both undergraduate and graduate students, some instruct students at the undergraduate level only. For more information, contact the faculty member's home department.

Bowers, M. Deane ([https://experts.colorado.edu/display/fisid\\_101746](https://experts.colorado.edu/display/fisid_101746))  
Professor; PhD, University of Massachusetts Amherst

Chin, Karen ([https://experts.colorado.edu/display/fisid\\_122666](https://experts.colorado.edu/display/fisid_122666))  
Associate Professor; PhD, University of California, Santa Barbara

Colwell, Robert ([https://experts.colorado.edu/display/fisid\\_151429](https://experts.colorado.edu/display/fisid_151429))  
Museum Curator Adjoint

Eberle, Jaelyn J. ([https://experts.colorado.edu/display/fisid\\_126544](https://experts.colorado.edu/display/fisid_126544))  
Professor; PhD, University of Wyoming

Kociolek, John Patrick ([https://experts.colorado.edu/display/fisid\\_145728](https://experts.colorado.edu/display/fisid_145728))  
Faculty Director, Professor; PhD, University of Michigan

Lekson, Steve ([https://experts.colorado.edu/display/fisid\\_108312](https://experts.colorado.edu/display/fisid_108312))  
Professor; PhD, University of New Mexico

Li, Jingchun ([https://experts.colorado.edu/display/fisid\\_157561](https://experts.colorado.edu/display/fisid_157561))  
Assistant Professor; PhD, University of Michigan

Lockley, Martin Gaudin ([https://experts.colorado.edu/display/fisid\\_149326](https://experts.colorado.edu/display/fisid_149326))  
Museum Associate Curator

McCain, Christy ([https://experts.colorado.edu/display/fisid\\_145010](https://experts.colorado.edu/display/fisid_145010))  
Associate Professor; PhD, University of Kansas

Shannon, Jennifer A. ([https://experts.colorado.edu/display/fisid\\_147612](https://experts.colorado.edu/display/fisid_147612))  
Associate Professor; PhD, Cornell University

Simpson, Carl ([https://experts.colorado.edu/display/fisid\\_159652](https://experts.colorado.edu/display/fisid_159652))  
Assistant Professor; PhD, University of Chicago

Tripp, Erin Anne ([https://experts.colorado.edu/display/fisid\\_152313](https://experts.colorado.edu/display/fisid_152313))  
Assistant Professor; PhD, Duke University

## Courses

### MUSM 5011 (4) Introduction to Museum Studies

Provides background in history and literature of museums, their objectives and methods, laboratory exercises in curatorship, exhibition theory, and administration.

**Additional Information:** Departmental Category: Museum Studies

### MUSM 5021 (2-3) Selected Museum Topics

**Additional Information:** Departmental Category: Museum Studies

### MUSM 5030 (3) Museum Education

Surveys and discusses the educational role of museums and informal learning centers. Issues include current trends, learning theories and styles, learning from objects, education programs, diverse audiences, museum/school partnerships, and the role of education in exhibit development.

**Additional Information:** Departmental Category: Museum Studies

### MUSM 5031 (3) Museums and the Public: Exhibit Development

Covers elements of exhibition development and design, up to production and evaluation of exhibit prototypes. The team approach is emphasized. Department enforced prerequisite: restricted to graduate students.

**Additional Information:** Departmental Category: Museum Studies

### MUSM 5041 (3) Museum Administration

Covers theory of organizations and how it applies to museums. Application of small business management and nonprofit organizations. Review museum organizational charts and staffing. Evolution of marketing and development in a museum context are reviewed. Budget process and annual financial reporting are discussed, and there is an emphasis on evaluating financial statements. Department enforced prerequisite: restricted to graduate students.

**Additional Information:** Departmental Category: Museum Studies

### MUSM 5045 (3) Introduction to Museum Anthropology

Traces the development of Anthropology and museums in America from late 19th century to present day. Students are encouraged to: explore museum theory and practice; think critically about the history of relations among Native Americans, Anthropology, and museums; consider the legacy of collecting and challenges of representing others; and, examine the interplay of Anthropology, material culture, and colonialism.

**Equivalent - Duplicate Degree Credit Not Granted:** ANTH 4045 and ANTH 5045

**Requisites:** Restricted to graduate students only.

**Additional Information:** Departmental Category: Anthropology

**MUSM 5051 (3) Museum Collections Management**

Deals specifically with curation and data management. Topics include acquisition practices and problems; organization, management, use and preventive conservation of collections; computer data management of collections.

**Additional Information:** Departmental Category: Museum Studies

**MUSM 5061 (3) Introduction to Scientific Illustration**

Intended for students with little to no art background. Focus is on the accurate rendering of scientific subjects for publication and for public display. Course begins with basic drawing skills and sharpening of visual perception. Students progress to be able to produce realistic renderings of subjects. Students are exposed to a variety of black and white and color techniques and the standards for presenting illustrations for a variety of audiences. Course concludes with computer illustration tools and techniques.

**Additional Information:** Departmental Category: Museum Studies

**MUSM 5474 (4) Vertebrate Paleontology**

Discusses the history and evolution of the vertebrates, including the phylogenetic relationships and evolutionary patterns of the major groups. Lab focuses on comparative vertebrate osteology and fossil representation of major groups.

**Equivalent - Duplicate Degree Credit Not Granted:** GEOL 4474 and GEOL 5474

**Additional Information:** Departmental Category: Geology

**MUSM 5484 (3) Museum Field Methods in Geology**

Paleontological and paleoecological field techniques including collecting; recording of geographic, stratigraphic and quarry information; preservation; interpretation, including applicable readings. Designed for individuals who have some background in geology but little or no prior field experience. Offered summer only.

**Equivalent - Duplicate Degree Credit Not Granted:** MUSM 4484

**Requisites:** Restricted to graduate students only.

**Additional Information:** Departmental Category: Geology

**MUSM 5760 (4) Mammalogy**

Lect., lab, and field studies. Discusses origin, evolution and adaptation, geographic distribution, ecology and taxonomy of mammals; field and laboratory study of Coloradan species. Uses animals and/or animal tissues.

**Equivalent - Duplicate Degree Credit Not Granted:** EBIO 4760 and EBIO 5760

**Additional Information:** Departmental Category: Zoology

**MUSM 5795 (3) Field Methods in Zoology and Botany**

Class covers research and field methods for biological disciplines associated with natural history museums: vertebrates, invertebrates and plants. Emphasis is on field research techniques: observations, sampling, collection and preservation methods, and comparisons among elevation zones. Includes 5 field labs, 2 weekend trips, 5 lab practica, experience with several taxonomic experts and individual research projects.

**Equivalent - Duplicate Degree Credit Not Granted:** MUSM 4795 and ENVS 4795

**Requisites:** Restricted to graduate students only.

**Additional Information:** Departmental Category: Zoology

**MUSM 5900 (1-6) Independent Study**

**Equivalent - Duplicate Degree Credit Not Granted:** MUSM 4900

**Repeatable:** Repeatable for up to 6.00 total credit hours. Allows multiple enrollment in term.

**Additional Information:** Departmental Category: Independent Study

**MUSM 5912 (3) Collections Research Practicum in Cultural Anthropology**

Designed as a practicum, introduces students to research and practice in museum anthropology, utilizing the extensive anthropology collections at CU-Boulder Museum. Students will gain skills in primary and secondary research, collections and object research and narrative story development for the exhibition of anthropological material culture.

**Equivalent - Duplicate Degree Credit Not Granted:** MUSM 4912 and ANTH 4470 and ANTH 5470

**Repeatable:** Repeatable for up to 6.00 total credit hours.

**Grading Basis:** Letter Grade

**Additional Information:** Departmental Category: Anthropology

**MUSM 5913 (3) Museum Practicum in Botany**

Students take part in curatorial procedures of the botany section of the museum: specimen preparation, labeling, identification, cataloguing, conservation and collection management. Enrollment is limited therefore students should make arrangements during the previous semester.

**Equivalent - Duplicate Degree Credit Not Granted:** MUSM 4913

**Recommended:** Prerequisite MUSM 5011.

**Additional Information:** Departmental Category: Botany

**MUSM 5914 (3) Museum Practicum in Geology**

Students take part in curatorial procedures of the geology section of the museum: field collection, specimen preparation, cataloguing, collection management and a survey of current laws as they apply to specimens. Enrollment is limited therefore students should make arrangements during the previous semester.

**Equivalent - Duplicate Degree Credit Not Granted:** MUSM 4914

**Recommended:** Prerequisite MUSM 5011.

**Additional Information:** Departmental Category: Geology

**MUSM 5915 (1-3) Museum Practicum in Zoology**

Students take part in basic curatorial procedures of the zoology section of the museum: relaxing, fixing, positioning, preserving, cataloguing, storing and shipping. Also introduces students to the animal kingdom.

**Equivalent - Duplicate Degree Credit Not Granted:** MUSM 4915

**Additional Information:** Departmental Category: Zoology

**MUSM 5916 (1-3) Museum Practicum in Entomology**

Students take part in curatorial procedures of the entomology section of the museum: field collection, specimen preparation, labeling, identification, rearing techniques and exhibit preparation. Enrollment is limited, students should make arrangements during previous semester.

**Equivalent - Duplicate Degree Credit Not Granted:** MUSM 4916

**Recommended:** Prerequisite MUSM 5011.

**Additional Information:** Departmental Category: Entomology

**MUSM 5917 (1-3) Museum Practicum in Techniques**

Students participate in museum public education functions that may include researching, planning, developing, and producing exhibits, traveling trunks, booklets, and other materials. May involve writing labels, molding and casting, conservation, and restoration.

**Equivalent - Duplicate Degree Credit Not Granted:** MUSM 4917

**Repeatable:** Repeatable for up to 6.00 total credit hours. Allows multiple enrollment in term.

**Additional Information:** Departmental Category: Museology

**MUSM 5918 (3) Museum Practicum in Advanced Collections****Management**

Provides a hands-on environment for exploring issues in museum collections management. Through lecture, resource procurement, in-class activities and out-of-class projects, students will gain practical and professional experience in areas of policy, procedure, best practices, museum storage planning and legal issues.

**Recommended:** Prerequisite MUSM 5051.

**Additional Information:** Departmental Category: Museum Studies

**MUSM 6110 (1-3) Advanced Seminar in Museum Issues**

Offers a weekly seminar for museum and field study students that addresses one new topic each semester relevant to museum operations such as archival administration, museums, multiculturalism, repatriation and others. Department enforced prerequisite: MUSM 5011.

**Repeatable:** Repeatable for up to 9.00 total credit hours. Allows multiple enrollment in term.

**Requisites:** Restricted to graduate students only.

**Additional Information:** Departmental Category: Museum Studies

**MUSM 6150 (3) Critical and Theoretical Issues in Museums**

Investigates key problems facing museum institutions and studies the staging and representation of historical knowledge, the ethics of collecting and display, the changing nature and uses of historical evidence and relations between curatorial practice, collecting and field work. Critically examines different approaches to museums and museology in various disciplines, both past and present. Department enforced prerequisite: MUSM 5011.

**Equivalent - Duplicate Degree Credit Not Granted:** ARTH 6150 and HIST 6150 and ANTH 6150

**Additional Information:** Departmental Category: Museum Studies

**MUSM 6930 (2-4) Museum Internship**

Provides experience in museums of different sizes, audiences, and subjects, including history, natural history, art, and children's museums. Each student is supervised individually by a faculty member as well as the appropriate person in the cooperating museum.

**Additional Information:** Departmental Category: Museum Studies

**MUSM 6940 (1-4) Master's Candidate for Degree**

**Grading Basis:** Pass/Fail

**Additional Information:** Departmental Category: Museum Studies

**MUSM 6950 (1-6) Master's Thesis**

A thesis, which may be of a research, expository, critical or creative type, is required of every master's degree candidate under the thesis option.

Department enforced prerequisites: MUSM 5011 and MUSM 5051 and one of the following: MUSM 5030 or MUSM 5031 or MUSM 5041.

**Additional Information:** Departmental Category: Museum Studies

**MUSM 6960 (1-4) Master's Project or Paper**

A project or paper in the student's discipline and related to some aspect of museum studies is required of every master's degree candidate under the non-thesis-option plan. Department enforced prerequisites:

MUSM 5011 and MUSM 5051. Students in collections/field track also need MUSM 5030 or MUSM 5031 or MUSM 5041.

**Additional Information:** Departmental Category: Museum Studies