A web-enabled seminar at University of New Mexico (UNM) on Tuesdays, noon to 12:50 p.m. MST (AST 10-10:50 a.m.)

**Instructors:**
Dr. Joseph A. Cook - 277-1358; e-mail tucojoe@gmail.com
Kayce Bell – 277-6215; email kayce.bell@gmail.com
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**Office Hours:**
Cook – Thursdays 8-9 (or anytime by appointment),
Bell – Tuesdays 10-11,
Ickert-Bond – Tuesdays 8:30-9:30 (or anytime by appointment)

**Website:** http://aimup.unm.edu

**Prerequisites:** None

**Reading Materials:** None

**Course description and instructional methods:**
The seminar is being conducted in conjunction with AIM-UP!, a NSF-funded project aimed at increasing the use of museum collections in undergraduate education. The class will be an online class with interactive discussions broadcasted from the University of New Mexico and guest lectures from imminent scientist in their respective fields that study human dimensions of natural history. Each week, the online portion of the seminar will address a different topic related to the larger theme of human dimensions and natural history.

**Course goal:**
To provide a perspective for students from diverse fields of natural history, ecology, anthropology or philosophy to gain a better understanding on how critical natural history collections are in preparing the next generation of scientists to address many of the pressing issues such as invasive species, host parasite interactions and changes in ecosystems due to climate change.

**Student learning outcomes:**
   a) Gain insights of how natural history collections provide baseline data for many aspects of biology, anthropology, and philosophy
   b) Appreciate different uses of natural history collections for teaching and research from the human dimension
   c) Spur interest in future more integrated studies of natural history using collections
Provisional Schedule:

19 Aug: Joe Cook — Introduction to AIM-UP! and The Human Dimension of Natural History

26 Aug: Kayce Bell — UNM, On-line databases & resources, introduction of modules

2 Sept: Matt Chew — Arizona State University, Invasive species

9 Sept: Susan Kutz — University of Calgary, Climate Change—working with indigenous communities

16 Sept: Rob Dunn — North Carolina State University—Bellybutton Biodiversity
Author of The Wild Life of our Bodies  robrdunn.com/books/the-wild-life-of-our-bodies/

23 Sept: Ric Yanagihara — University of Hawaii- hantaviruses and museum collections, pathogen discovery

30 Sept: Jessica Light — Texas A&M University, Tick-borne pathogens.

7 Oct: Allison Miller — St Louis University, Crop Domestication

14 Oct: Eric Hoberg — USDA Beltsville, Trichinella and/or Climate Change

21 Oct: Nancy Huntly — Utah State Univ, Aleutian Islands paleomidden sites

28 Oct: Will Taylor — UNM Anthropology, Domestication of equids in Mongolia

4 Nov: First student presentations of Education Modules (only students at UNM are required to present modules, UAF students will observe and discuss)

11 Nov: Jun —UC Berkeley, TBA

18 Nov: Maria Lane — UNM, Geography and Georeferenced specimens

22 Nov: TBA, An artist’s perspective on the Human Dimension of Natural History

25 Nov: Final student presentations of Educational Modules (only students at UNM are required to present modules, UAF students will observe and discuss)

2 Dec: Final student presentations of Educational Modules (only students at UNM are required to present modules, UAF students will observe and discuss)
**Course policies:**
Lectures begin immediately upon the hour of scheduled meeting times, tardiness will not be tolerated. *Please turn off or silence cell phones during class.*

**Evaluation:**
The course is Pass/Fail. A passing required attendance at all class meetings (except those that occurred prior to the start of the UAF fall semester – Aug. 19 and Aug. 26), unless an absence of medical or other substantive reasons are provided beforehand. Un-approved absences will result in a failing grade.

**Support Services:**
The instructor will be available to provide clarifying details or additional information as requested by students. All lecture materials will be available on Dropbox.

**Disabilities Services:** The Office of Disability Services implements the Americans with Disabilities Act (ADA), and insures that UAF students have equal access to the campus and course materials. We will work with the Office of Disabilities Services (208 Whitaker Building, 474-5655) to provide reasonable accommodation to students with disabilities.