

## Cultural Studies and the MS Resource Management Program Central Washington University

**About Us:** Resource Management (REM) is an applied, interdisciplinary Masters of Science program at Central Washington University (CWU) in Ellensburg, Washington. Our Departments of Anthropology, Geography, and Economics participate in this program. A diverse set of faculty from other departments: History, Political Science, Communications, Biology and Environmental Studies also serve the program. We outline below both anthropological and interdisciplinary approaches to resource management.



Core coursework in the program provides a strong foundation in resource management issues, policy and law, conflict management, and resource analysis. We also offer a course in thesis research proposal development. Students are responsible for conducting original research to complete a Master's thesis with a strong emphasis on field or laboratory work. Students are also encouraged to participate in regional and national meetings to present research, network, and seek future employment or academic opportunities.

We are proud of our REM graduates who work for public agencies, Indian tribes, private firms, and non-governmental organizations. They are actively shaping natural and cultural resource management and policy throughout the western United States. The program prepares students for careers in management and consulting, although some of our graduates have earned doctoral degrees and work in academia.

The REM program is housed in an award-winning, state-of-the-art, LEED-certified green building on CWU's Ellensburg campus. Our community of ~18,000 is located 100 miles east of Seattle along the Yakima River in the Kittitas Valley, Cascade Range.

- **REM website:** <http://www.cwu.edu/resource-management/resource-management>
- **Contact:** Dr. Steven Hackenberger ([hackenbe@cwu.edu](mailto:hackenbe@cwu.edu)) for more information about our program
- **Application materials:** <http://www.cwu.edu/masters/>
- *For priority consideration, including assistantships, apply by **March 1***

### **I. Anthropological approaches to resources include (but are not limited to):**

**1. Cultural Resource Management and Historic Preservation.** Cultural resources are conceived broadly to include archaeological sites, historic buildings, traditional cultural properties, museums and cultural centers, community history oral history, music, dance, storytelling, art traditions, ethnobiology, and traditional ecological knowledge. Archaeological studies focus on field and lab methods, collections management, ethics, political agendas, public benefits of archaeology, CRM and the media, and the roles of practitioners/educators in public and tribal community heritage. Students review professional organizations, EIS projects, cultural resource law and court cases, agencies and regulations, tribal and state programs, regional networks, case studies and CRM literature; contact Dr. Steven Hackenberger ([hackenbe@cwu.edu](mailto:hackenbe@cwu.edu)), Dr. Patrick Lubinski ([Lubinski@cwu.edu](mailto:Lubinski@cwu.edu)), Dr. Patrick McCutcheon ([McCutchp@cwu.edu](mailto:McCutchp@cwu.edu)). Forensic osteology students engage in NAGPRA review process, affiliation studies and repatriations; contact Lourdes Henebry-DeLeon ([deleonl@cwu.edu](mailto:deleonl@cwu.edu)). Historic preservation students work with historic cultural landscapes and the build environment; contact Dr. Mat Novak ([Novack@cwu.edu](mailto:Novack@cwu.edu)). For broader cultural studies see faculty contacts listed below.

**2. Ecological Anthropology and Political Economy.** Investigate human adaptations and community organization using cultural and political ecology perspectives. Research focuses on the nexus of biophysical and social variables for environmental resource management; contact Dr. Hope Amason (amasonh@cwu.edu), Dr. Mark Auslander (auslander@cwu.edu), Dr. Kathleen Barlow (barlowk@cwu.edu), Dr. Lene Pedersen (pedersenl@cwu.edu).

**3. Ethnographic Approaches to Resource Management.** Explore cultural issues and processes involved in natural resource management using primarily ethnographic methods. Learn ethnographic field methods. Develop tools for understanding cultural meanings and social processes involved in issues and conflicts that arise over management of cultural and natural resources; contact Dr. Hope Amason (amasonh@cwu.edu), Dr. Mark Auslander (auslander@cwu.edu), Dr. Kathleen Barlow (barlowk@cwu.edu), Dr. Lene Pedersen (pedersenl@cwu.edu).

**4. Museum Studies.** Museum-based education and exhibition strategies related to resource management, including public outreach, archival and collections-based work, and interpretive/ecotourism approaches to resource management; contact Dr. Hope Amason (amasonh@cwu.edu), Dr. Mark Auslander (auslander@cwu.edu)

**5. Issues and Conflicts in Resource Management.** Develop approaches to negotiation, mediation, arbitration, and litigation within contexts of political economic theory and environmental justice; contact Dr. Pamela McMullin-Messier at (mcmullin@cwu.edu).

**6. Pacific Northwest Archaeology.** Investigate pre-contact and contact period settlement patterns and landscapes that span 14,000 years of time. Review the history of archaeology along the Pacific Northwest Coast and within the Columbia Plateau, and evaluate the theoretical and methodological underpinnings of regional archaeology; contact Dr. Steven Hackenberger hackenbe@cwu.edu and Dr. Patrick McCutcheon (McCutchp@cwu.edu).

## **II. Interdisciplinary approaches to resources include:**

**1. Environmental Archaeology.** Study long-term ecosystem changes in order to develop a holistic understanding of how humans have interacted with their environments by combining both the physical and natural sciences: geoarchaeology, archaeobotany, zooarchaeology, and bioarchaeology; contact Dr. Steven Hackenberger (hackenbe@cwu.edu) and Dr. Patrick Lubinski (Lubinski@cwu.edu).

**2. Zooarchaeology.** Study the record of animal bones from archaeological sites for insight into past biogeography and human subsistence patterns using our comparative non-human skeletal collection and state-of-the-art rendering laboratory. Analysis of fauna from prehistoric or historic sites and conducting experiments are of particular interest, as is the connection between zooarchaeology and modern wildlife management; contact Dr. Patrick Lubinski (Lubinski@cwu.edu).

**3. Molecular Anthropology Laboratory (MAL).** The MAL is equipped for the extraction of DNA from a variety of biomaterials (e.g., blood, tissue, hair, feces, bones and teeth), PCR (Polymerase Chain Reaction) amplification, gel electrophoresis, STR (short tandem repeat) genotyping and DNA sequencing. Students have worked on research involving: ancient DNA, humans, gorillas, vervet monkeys, rattlesnakes, gekos, crickets, pikas, salmon, bison, conservation/landscape genetics, population genetics and evolutionary relationships among populations or species; contact Dr. Joseph Lorenz (lorenzj@cwu.edu).

**4. Geomorphology and Soils.** Research climate and human-induced landscape changes in western North American mountains and deserts through the lenses of geomorphology and soils. Of particular interest are glaciers and landslides in mountains, and arroyos and dunes systems in drylands; contact Dr. Karl Lillquist (lillquis@cwu.edu).

**5. Quaternary Paleoecology.** Work in a state-of-the-art laboratory using fossil pollen and charcoal preserved in lake sediments to unravel the history of late Quaternary vegetation changes and their implications for climate change, fire, and human history in the Western U.S. and Central America; contact Dr. Megan Walsh (walshme@cwu.edu).

**6. GIS and Cultural Resources.** Develop archaeological application of GIS tools. Study the development of human settlements, ranging from traditional villages and homesteads to small towns and major metropolitan regions. Apply GIS to examine changes in the functioning and built forms of these areas. GIS is used to inform planning and management practices, especially relating to heritage preservation. For more information, contact Dr. Mat Novak (novak@cwu.edu). A six class **GIS Certificate** may be taken as part of REM coursework; contact Dr. Mat Novak (Novack@cwu.edu).

**7. Environmental, Resource, and Energy Economics.** Study the interaction between the environment and the economy, and learn about designing policy solutions to contemporary environmental problems. Develop statistical and economic reasoning skills and apply them to environmental valuation, cost benefit analysis and sustainable resource extraction issues; contact Toni Sipic (sipict@cwu.edu) and Charles Wassell (wassellc@cwu.edu).

**8. Cascadia Hazards Institute.** Join projects investigating natural hazards, social vulnerabilities, and the economy; contact Dr. Tim Melbourne (Tim@geology.cwu.edu) and Dr. Pamela McMullin-Messier (mcmullin@cwu.edu).

### **III. Student Resources:**

**1. Internships and Part-time Employment Include:** CWU Central Washington Anthropological Survey (CWAS), CWU Museum of Culture and Environment, CWU Institute for Spatial Technologies, city and county museums, historical societies, local land trusts and environmental organizations, and local offices of city, county, state, federal and tribal resource programs.

**2. Funding Opportunities:** Approximately nine graduate assistantships are available on a competitive basis each year. Graduate assistantships involve a combination of teaching and research in the Geography Department. REM is part of the Western Regional Graduate Program (<http://wiche.edu/wrgp>); residents of Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, and Wyoming pay in-state tuition.

**3. Facilities:** The REM program is based in recently remodeled Dean Hall. Graduate students share 14 computer-equipped offices, a large reading room, teaching/research laboratories (Aquatic Systems and Hydrology, Artifacts, Cultural Anthropology, Forensics, Geographic Information Systems, Human Osteology, Molecular Anthropology, Paleoecology, Soils & Geomorphology, Visual Anthropology, Zooarchaeology, and a Map and Airphoto Library).

***Contact Dr. Steven Hackenberger (hackenbe@cwu.edu) for more information.***