Educational Modules

Copper Mining & Processing
Understand basic information about copper mining and processing

Reclamation and Remediation
Define and understand its importance to the broader society

Environmental Impacts
Understand the physical and chemical impacts mining has on the environment

Sociocultural Impacts
Identify social and cultural impacts of mining on tribal lands

Uranium
Understand basic information about uranium mining and processing

Tribal Consultation
Describe tribal consultation processes as well as legal precedence

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Mining and Environmental Educational Modules for Tribal Colleges
The University of Arizona (UA) Superfund Research Program has developed educational modules for tribal colleges focusing on mining and its environmental and social impacts on tribal lands. These educational modules are independently packaged units of study designed to enhance the learning process. The modules have been designed to incorporate tribal case studies as well as examples of how these social and environmental impacts can be mitigated.

**Educational Module Project**

**Educational Modules Development Motivation**

Mining has had a large impact on tribal lands. Tribal communities have expressed a need for mining education to:

- Increase capacity for tribes to deal with mining impacts on their lands.
- Provide community members with mining information to affect decision-making.
- Encourage Native American students to enter into Science, Technology, Engineering and Math (STEM) fields.

**Educational Modules Can:**

- Enhance the understanding of the components of the mining process.
- Explain the past and current status of mining on tribal lands.
- Provide case studies highlighting environmental challenges that the tribal nations face.
- Support a pipeline of STEM tribal students to higher education opportunities.

**Educational Module Content**

- **Instructional Guide** for college instructors as well as handouts for college students.
- **PowerPoint Presentation** that parallels the instructional guide.
- **Hands-On Learning Activities** providing in depth practice of concepts in module.