

**ME571/Geol571 Advanced Topics—Geology and Economics of Strategic and Critical Minerals
Spring 2020**

Midterm

Due March 6, 2015 by e-mail virginia.mclemore@nmt.edu

1. What are the differences and similarities between critical and strategic minerals? 15%
2. What is the difference between a mineral deposit and an ore deposit? Provide examples. 15%
3. How has the mining industry changed with time? 15%
4. Why is rhenium considered a strategic and critical mineral? 15%
5. What are some challenges in producing strategic and critical minerals? 10%
6. Why are written sampling plans important? 10%
7. What are prefeasibility studies and feasibility studies? What are the differences and similarities? 10%
8. Summarize your project due at the end of the semester (oral and written report) for this class in 1-2 paragraph. A small part of your thesis project is appropriate. 10%

Be sure to cite your references and sources. You may work together on this midterm but each student is responsible for answering these questions in their own words.