

GEOC589, GEOL589, ME589, ME589D Advanced Topics—Geology and Economics of Industrial Minerals Spring 2023

Midterm

Due March 20, 2023 by e-mail virginia.mclemore@nmt.edu

1. What are industrial minerals? Provide examples. 10%
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 critical mineral? 15%
5. Why are written sampling plans important? 15%
6. What were the consequences of the Brex scandal? Comments? 15%
7. Is salt (halite) produced currently in New Mexico? Where and by what method? Why is salt an important commodity but not a critical mineral? 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. 5%

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.