



NEW!

Introduction to Gems and Minerals

GEOS 260

In Introduction to Gems and Minerals, students will learn where and how gems occur in their natural habitat, their composition and crystal structure, properties that dictate how they are cut and polished, and methods used to identify gemstones. Students will track the journey from a gemstone's development in nature all the way to its arrival at the jewelry store!

This course will be taught by Eric Fritz and Susan Leib from the UAZ Alfie Norville Gem & Mineral Museum in Fall 2021.



COURSE TOPICS:

- GEOLOGICAL FORMATION OF MINERALS AND GEMS
- CHEMICAL COMPOSITION OF MINERALS AND GEMS
- CRYSTALLOGRAPHY
- SPECTROSCOPY
- GEM IDENTIFICATION USING EQUIPMENT IN MUSEUM CLASSROOM
- DISTINGUISHING SYNTHETIC FROM NATURAL GEMS
- GEMSTONE CUTS