



**Lowell Program
in Economic Geology**



*The University of Arizona
Geosciences Department
1040 East Fourth Street
Tucson, AZ 85721-0077 USA*

Short Course Mo, Porphyry, IOCG, and Alcalic, Cu Deposits December 6-15, 2022.

Dear Friends and Colleagues:

We are please to announce that we are opening registration for the 20th offering of our popular *Short Course on Porphyry, IOCG, and Alcalic, Cu Deposits*, which will take place **December 6-15, 2022**.

This 9-day short course is designed for members of the industry and graduate students, and will be led by Eric Seedorff, Mark D. Barton, and others. It will have a focus on exploration geology that will include 3½ days of lectures and 2 days of labs in Tucson and 3½ days of field trips to representative ore systems in Arizona. Saturday December 10, 2022, will be a day off to rest, shop, or enjoy the Tucson scenery.

Outline of Topics

The deposit types that we will cover include:

- porphyry copper, molybdenum, and gold systems
- associated skarn and high-sulfidation epithermal systems
- brief comparisons with other deposit types

The lecture topics relating to these deposits will include:

- distribution and geologic setting
- character of related igneous systems
- hydrothermal alteration and ore mineral assemblages
- supergene processes
- structural aspects – pre-, syn-, and post-mineral
- geochemistry of ore-forming systems
- comparative geophysics
- economics and metallurgy

The laboratory topics will include:

- alteration and ore mineral types and textures
- rock suites from all deposit types

Field trips will visit accessible examples these types of systems in southern and central Arizona.

The fee for the short course is US\$3,500 before the **early registration deadline on November 18, 2022**, and US\$3,700 thereafter. The cancellation policy provides for participant substitutions or a refund of ½ the registration fee by November 25, 2022. Thereafter, there will be no refunds or substitutions.

What your registration fee payment of \$3,500 entitles you to:

We pay for:

Short course handbook

Laboratory materials

Field trip guides

1 night hotel (overnight trip to the Globe-Miami area in a double occupancy on December 14)

2 coffee breaks per day (coffee, tea, pastries) during lecture sessions

3 group dinners (one for the keynote dinner, one on the overnight trip, and another the final evening in Tucson)

4 lunches (boxed sandwich meals) for field days

All transportation during field trips

You pay for:

Hotel for all nights (except for the overnight trip to Globe-Miami)

Meals (except for the 3 group dinners and 4 box lunches)

Airfare or other form of transportation to and from Tucson

The lecture sessions will be held at the [Marriott University Park Hotel](#) on the edge of the campus at the University of Arizona. We work with the Marriott to get a discounted rate for the short course participants. The discounted rate is US\$140 per night, which is highly competitive for Tucson at that time of year. Most participants enjoy staying at the Marriott because of the accommodations and the convenience. The laboratory sessions take place mostly at the Gould-Simpson Building, which is home of the Geosciences Department. The building is located at 1040 East 4th Street, Tucson, AZ 85721- 0077 and is located within walking distance from the Marriott Hotel.

Register soon! We expect this short course to fill up quickly!

Please forward this information to your co-workers and friends.