

21st Geology of GOLD course

16-20 March 2015

School of Earth Sciences, University of Melbourne



This is a 5-day course of lectures, practical sessions and a field trip devoted to the Geology of Gold.

It is suitable for geologists in the mineral industry or government with early exploration or mining experience who want a broad coverage of gold geology as well as some of the latest research ideas and how they apply to mineral exploration.

The course also serves as an Honours and Postgraduate course for students interested in entering the mineral industry. Interaction between the various groups of participants has become a much-valued feature of the week since this course was first run in 1995.

The course covers all major types of gold deposits with emphasis on greenstone-hosted and sediment-hosted orogenic gold deposits. Other gold deposits covered include IOCG, porphyry, epithermal, Carlin and Witwatersrand. An overnight field trip takes participants through the heart of the Victorian gold province visiting past goldfields and present operations.

Geochemistry, structural geology, metamorphic geology, deposit geology, regolith issues and the most appropriate exploration approaches for the different styles are covered, at a level to enable participants to take their place in industry and government teams and make a contribution in all of these areas.

Several important ideas used in the industry today have been pioneered in earlier presentations of the GOLD course. Come and find out why gold deposits are most unlikely to form at 800°C, why Witwatersrand production is plummeting, what links magmatic processes to gold, and the exploration methods used in Australia to discover 550 million ounces of gold since 1979 (and the cost of each ounce).

COURSE LEADER: Professor Neil Phillips

PRESENTERS INCLUDE: Dr Martin Hughes (co-leader), Dr Andrew Tomkins, Professor Janet Hergt, Jonathan Law, Dr Simon Jowitt and Professor Roger Powell.

COST FOR INDUSTRY PARTICIPANTS: AUD\$900 that includes overnight field trip. Numbers will be limited due to the field component, and registrations are likely to close early.

REGISTRATION: Kerry Grieser, School of Earth Sciences, University of Melbourne

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