

24th Melbourne Geology of GOLD course

19-23 March 2018

School of Earth Sciences, University of Melbourne



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

It is suitable for geologists in the global 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. The field trip takes participants through the heart of the Victorian gold province with a visit to Fosterville gold mine and an industry meeting in Bendigo.

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, the exploration methods used in Australia to discover 550 million ounces of gold since 1979, why Fosterville is described as the best gold deposit in Australia at present, and what the recent nuggets and alluvial gold discoveries in the Pilbara mean.

COURSE LEADER: Professor Neil Phillips

PRESENTERS INCLUDE: Dr Martin Hughes, Dr Andy Tomkins (co-leaders), Dr Rod Boucher, Professor Janet Hergt, Jonathan Law, and Professor Roger Powell.

COST FOR INDUSTRY PARTICIPANTS: AUD\$900 that includes one day field trip.

Numbers will be limited due to the field component, and registrations are likely to close early.

REGISTRATION: Charlotte Mcloughlin, School of Earth Sciences, University of Melbourne

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