

## Professional Geologist Short Course

# Core Logging Techniques

Course Leader: Prof. Paul Dirks

31st January - 1st February 2019

College of Science & Engineering  
James Cook University  
Townsville, QLD, Australia  
[jcu.edu.au/egr/](http://jcu.edu.au/egr/)

## Course Content

This two- day course introduces the basic skills and methodology required to review and log geological drill core.

The course will aim to familiarise participants with the key requirements of core logging, and how to interpret and integrate drill logs with geological models.

Emphasis will be placed on the recognition, description and acquisition of oriented data (bedding planes, faults, fractures, shear zones), and the relationships between these data and field observations.

This is a Level 4 (Honours) course suitable for early career geoscientists. Participants will be working alongside JCU Geoscience Honours students.

The course will comprise short morning lectures followed by practical group exercises with oriented drill core.

Lectures will introduce:

- ▶ The principles of core logging.
- ▶ The integration of drill core logs into structural sections and geological models.

Practical exercises will include:

- ▶ Logging at suitable scales for successful interpretation.
- ▶ Construction of cross sections from core logs, orientation data and geological maps.
- ▶ Presentation of data and interpretation.

## Professional Short Course

### Core Logging Techniques

Course Leader: Prof. Paul Dirks



Paul Dirks is a professor of geology at James Cook University. His research interests include structural geology, geodynamics and the tectonic history of cratonic terrains and adjacent mobile belts, and associated mineralisation patterns.

#### Registration Fees (AUD inc GST)

EGRU Members \$ 660.00

AIG Members \$ 990.00

Non-Members \$1100.00

Registration Fees include:

Morning & Afternoon Teas

Lunches

Course Notes

Participants will need to bring a laptop computer.

Further information contact Judy Botting:

Judith.Botting@jcu.edu.au

Register on the EGRU web site:

<http://www.jcu.edu.au/egru/>

## EGRU Professional Geologist Short Courses

Courses in 2019 include:

January - February

- › Ore Textures & Breccias: Recognition Techniques (3 days)
- › Core Logging Techniques (2 days)
- › QAQC for Mineral Exploration & Beyond (1 day)
- › Integrating Geochemistry & Mineralogy for Exploration (1 day)
- › Management in Mineral Exploration (5 x 1 day modules)
- › QGIS for Geologists (1 day)
- › Introduction to the JORC Code (1/2 day)
- › A JORC Code Refresher (1/2 day)
- › Geological Uncertainty & Risk (1 day)

June - July

- › Advanced Field Training (8 days - Cloncurry region)

<https://www.jcu.edu.au/economic-geology-research-centre-egru/professional-development/courses>