



5 DAYS

Certificate in Mine Environmental Control / Occupational Hygiene - Paper 1

(Fluid Flow Dynamics - Fans and Mine Water)



Course Outcomes

The participant will be able to:

- Perform integral calculations pertaining to all aspects of the subject matter
- Comment on all aspects of the subject, recognise and utilise laws and formulae used for specific calculations
- Identify and state corrective action for anomalies, record and report on all measurements relevant to subject



Course Contents

- Fan efficiencies and pulley sizes
- Basic fan curves
- The effects of densities, fan speed, evaseé, and natural ventilation on fan performance
- Fans in series and parallel
- Residual curves
- Water quality
- Water reticulation systems
- Water pumps
- Energy recovery systems



Target Participants

- Candidates studying towards the Certificate in Mine Environmental Control



Prerequisites

- Full Intermediate Certificate in Environmental Control
- 12 Months relevant experience (6 months for graduates) in the Environmental Control / Occupational Hygiene Department



Course Dates

Refer to
Course Schedule Dates
(Available on Request)



Facilitator

Tinus Hayward

For more information on this course contact him at tinus@umoyavohe.co.za or on 083 455 2653



Bookings

Contact our training Co-Ordinator:
training@umoyavohe.co.za
or on 074 936 1364 (Request for list of suitable accommodation if needed)



Costs

Quote to be requested

INCLUDES

- Lunches/Refreshments
- Tuition Fees

EXCLUDES

- Accommodation
- Breakfast/Supper