



# Basic Mathematics for Ventilation Engineering Course



## Course Outcomes

The course is designed to provide the participant with the relevant mathematical background to be able to understand and conduct calculations as prescribed by the **Intermediate in Mine Environmental Control and Occupational Hygiene syllabus**.

The course is the ideal starting point for the candidate who has an interest in pursuing a career in Ventilation Engineering or Occupational Hygiene but does not meet the prerequisites.



## Course Contents

- Basic principles of mathematics
- The use of a scientific calculator
- The calculation of cross sectional areas, surface areas and volumes
- The use of relevant formulae
- The manipulation of formulae



## Target Participants

- Candidates who want to pursue a career in the Ventilation Engineering / Occupational Hygiene field.
- Candidates who experience difficulties with the mathematics encountered in the Intermediate in Mine Environmental Control and Occupational Hygiene syllabus.



## Prerequisites

- Grade 10 with some mathematical background

### ADDITIONAL

- Own Calculator



## 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](mailto:tinus@umoyavohe.co.za) or on 083 455 2653



## Bookings

### Contact our training Co-Ordinator:

[training@umoyavohe.co.za](mailto: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
- Course Material
- Tuition Fees

#### EXCLUDES

- Accommodation
- Breakfast/Supper