



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

SYLLABUS FOR THE FOR MINE SURVEYOR'S CERTIFICATE OF COMPETENCY

Framed in accordance with regulation 28.6, in force in terms of Schedule 4 of the Mine Health and Safety Act, 1996 (Act No 29 of 1996)

MINING ECONOMICS 2 PROJECT

Every candidate will be required to submit on the day of the Mining Economics II examination a written report on a statistics/geostatistics project done by him.

GENERAL PROVISIONS:

1. The data and instructions for the project will be available at the Secretary of the Commission of Examiners three months before the date of the examination.
2. The required public domain software will be available from the Secretary of the Commission of Examiners. (The candidate will, however, be required to supply the necessary diskettes)
3. This project must be the result of each candidates own work and the candidate may be called upon to discuss the project with a member of the Board of Examiners, or any person nominated by the Board.
4. The project must be conducted within the following outlines:
 - (i) Examine and describe the data statistically
 - (ii) Investigate and discuss the distribution
 - (iii) Analyse the spatial structure of the data
 - (iv) Investigate the variance and optimal sampling interval
 - (v) Comment on the estimation of designated areas

REFERENCE BOOKS:

A list of suitable reference books is available from the Secretary of the Commission of Examiners or from the Institute of Mine Surveyors of South Africa.