

TOTAL EXAMINATION PROGRAM
PEO Syllabus of Examinations, 2004 Edition

MINING AND MINERAL PROCESSING ENGINEERING

INTRODUCTION

A full set of Mining and Mineral Processing Engineering examinations consists of the following, three-hour examination papers and an engineering report. Candidates will be assigned examinations based on an assessment of their academic background. Examinations from discipline syllabi other than those specific to the candidates' discipline may be assigned at the discretion of PEO's Academic Requirement Committee.

BASIC STUDIES EXAMINATIONS

04-BS-1	Mathematics
04-BS-2	Probability and Statistics
04-BS-3	Statics and Dynamics
04-BS-4	Electric Circuits and Power
04-BS-5	Advanced Mathematics
04-BS-6	Mechanics of Materials
04-BS-7	Mechanics of Fluids
04-BS-11	Properties of Materials
04-BS-14	Geology
04-BS-15	Engineering Graphics and Design Process

PROFESSIONAL EXAMS – SPECIFIC TO MINING AND MINERAL PROCESSING ENGINEERING

GROUP A

98-Mmp-A1	General Geology and Exploration
98-Mmp-A2	Mining Methods and Design
98-Mmp-A3	Mineral Processing
98-Mmp-A4	Mine Valuation and Mineral Resource Estimation
98-Mmp-A5	Mine Management and Systems Analysis
98-Mmp-A6	Environmental Protection

GROUP B

98-Mmp-B1	Applied Rock Mechanics
98-Mmp-B2	Rock Fragmentation
98-Mmp-B3	Mine Equipment Selection and Maintenance
98-Mmp-B4	Occupational Health, Safety and Loss Management
98-Mmp-B5	Mill Design, and Operations
98-Mmp-B6	Mill Process Control
98-Mmp-B7	Extractive Metallurgy

COMPLEMENTARY STUDIES

98-CS-1	Engineering Economics
98-CS-2	Engineering in Society - Health, Safety, and the Environment
98-CS-3	Management Concepts for Engineers

3.2	Engineering Report
-----	--------------------