

一、课程名称

New Technology of Mining Engineering

矿床开采新技术

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二、上课时间和地点

序号	周次	日期	时间	上课教室
1	第七周周六	10月28日	上午 08:20 – 11:50 下午 14:10 – 17:40	资源与环境工程 学院 教五楼 5418
2	第八周周日	10月29日	上午 08:20 – 11:50 下午 14:10 – 17:40	
3	第八周周一	10月30日	下午 16:00 – 17:40	
4	第八周周三	11月1日	下午 19:00 – 20:40	

Course Schedule

- 1 Saturday Oct.28 08:20 – 11:50 am ; 14:10 – 17:40 pm
- 2 Sunday Oct.29 08:20 – 11:50 am ; 14:10 – 17:40 pm
- 3 Monday Oct.30 16:00 – 17:40 pm
- 4 Wednesday Nov.1 19:00 – 20:40 pm

三、内容介绍

Course

mining equipment configuration. Through the study and application of new mining technology, the students should have the ability of safety and high efficiency mining technology. Pre-course: advanced mining engineering, the system engineering of mining, engineering mathematics.

许潮水教授简介

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P. A. Dowd

MINVEST

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R. J. Fowell

CCNBD

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FracSim3D

A/Prof. Chaoshui Xu

A/Prof. Xu has over twenty years of experience working for mining academic institutions and the industry. His research interests cover many areas including geostatistics, mineral resource evaluation, risk assessment of mining project, optimal mine design, rock fracture mechanics, stochastic rock fracture modelling, fluid flow and heat transfer in porous or fractured rock. A/Prof. Xu's major achievements include the development of a commercial software product, MINVEST, for financial evaluation and risk assessment of mining projects, which won the top prize of 1995 UK Business Software Challenge Competition; and the development the CCNBD (Cracked Chevron-Notched Brazilian Disc) specimen for rock fracture toughness testing, which is now an ISRM (International Society for Rock Mechanics) suggested method for the measurement of Mode I rock fracture toughness.

A/Prof. Xu is also the author of the software package FracSim3D, a freeware widely used by the international discrete fracture network modelling research community.