



University of Pretoria Yearbook 2017

Advanced explosive engineering 785 (PRX 785)

Qualification	Postgraduate
Faculty	Faculty of Engineering, Built Environment and Information Technology
Module credits	16.00
Programmes	BEngHons Mining Engineering
Prerequisites	No prerequisites.
Contact time	Self study
Language of tuition	Module is presented in English
Academic organisation	Mining Engineering
Period of presentation	Semester 1 or Semester 2

Module content

Types of commercial explosives. Properties of explosives. Explosive initiating systems, application of explosives in rock breaking; Surface and underground blast designs and specialised blast designs; the effects of geology on blast results. Fragmentation, blasting and environmental control. Blast assessment. Ethics and regulatory compliance. Safety in blasting.

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