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# University of Pretoria Yearbook 2017

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## Advanced explosive engineering 785 (PRX 785)

<b>Qualification</b>	Postgraduate
<b>Faculty</b>	<a href="#">Faculty of Engineering, Built Environment and Information Technology</a>
<b>Module credits</b>	16.00
<b>Programmes</b>	<a href="#">BEngHons Mining Engineering</a>
<b>Prerequisites</b>	No prerequisites.
<b>Contact time</b>	Self study
<b>Language of tuition</b>	Module is presented in English
<b>Academic organisation</b>	Mining Engineering
<b>Period of presentation</b>	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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