

# blasting

INFORMATION  
REGISTRATION  
2005-06



CMH Photo

## Avalanche Control Blasting

Essential knowledge and training for avalanche control and blasting programs.

### Description

This course provides training in the safe application of explosives in avalanche control operations. This course has been designed by explosives and avalanche industry experts with the generous assistance of the BC Workers' Compensation Board. This two day course covers core content that is common to all avalanche control blasting programs including federal and provincial government regulations followed by industry endorsed procedures for Hand Charge, Cornice, Helicopter and Avalauncher missions.

### WCB Blasters Certification

This course does not give participants their WCB Blasting Certification. This is a training course only. There are many require-

ments for this including apprenticeship, recommendation by a certified blaster and testing. For WCB regulations, certification requirements and more information on the WCB Blasting division please visit this site: <http://regulation.healthandsafetycentre.org/s/Part21.asp>

### Continuing Professional Development (CPD)

The CAA's Avalanche Control Blasting course is an idea choice for those avalanche professionals looking for CPD courses. This course is an up to date look at government regulations, policies, procedures and current industry best practices that all avalanche works regardless of experience in the industry will find valuable.



canadianavalancheassociation



The Canadian Avalanche Association Industry Training Program (ITP) is a fully bonded and provincially licensed post-secondary educational institution offering technical training and certification courses in B.C., Alberta and Quebec. CAA ITP courses are recognized by industry, guide training organizations and government agencies. They are regarded as some of the best professional level training for avalanche workers internationally. Courses are held throughout the winter across Canada. Contact the CAA today to find out more and enroll. Minimum age is 19.

# Program Content

federal & provincial explosives regulations.

cornice control

avalancher delivery methods

explosives theory

hand charging techniques

shot placement & effective range

helicopter delivery methods

WCB and worker safety in explosives use

## Detailed Program Information

### Prerequisites

Applicants must meet the following prerequisites in order to apply:

- currently enrolled in or have obtained the CAA Avalanche Operations Level 1 certification or equivalent training

### Course Design & Activities

The ACB course is an intensive 2 day theory course. Most of the course is classroom based with a short visit to a local explosives magazine during one of the days.

### Course Evaluation

There is no evaluation on this course, it is training only.

### Course Materials

Upon registration students will be provided with a program package that will include:

- logistical & venue information
- CAA ACB Student Manual and course notes.

### Course Goals

By the end of the Core Module, participants will be able to:

- Explain the use of explosives as an avalanche control tool
- Describe how explosives work
- Read and/or describe explosive manufacturers' technical data
- List the authorities having jurisdiction over explosive use
- Describe the requirements for WCB blasting certification

- Describe explosive storage practices and regulations
- Explain explosive transportation practices and regulations
- Recognize and deal with deteriorated explosives
- Describe the safety fuse assembly
- Explain the causes of misfires
- Supervise an explosive site and maintain the required documentation
- Explain Danger Area definitions and procedures
- Evaluate the blast area
- Explain general safety routines

At the end of the Delivery Specific Modules, participants will be able to:

- Describe the characteristics of Avalancher, cornice control, hand and heli delivery methods
- Explain the appointments and duties of personnel during specific missions
- Demonstrate specific site control and safety procedures
- Describe preparation and transportation issues specific to delivery methods
- Describe misfire procedures
- Explain detonation procedures

### Online Registration

Online registration for the fall course in Revelstoke will open up for the ACB courses starting September 1, 2005. Lake Louise course registration will open up January 1, 2006.

Organizations sending 3 or more staff to the CAA's ACB course are eligible for a 10% discount on student tuition.

## Calendar & Tuition

### Revelstoke, B.C.

November 18/19, 2005

\$275 including registration & materials

### Lake Louise, AB

This is an overflow course.

March 26/27, 2006

\$275 including registration & materials

### Private Courses

The CAA is able to schedule custom and/or private ACB courses to meet the specific needs of organizations wishing to train their staff. Please contact the CAA directly for more information.

### International Students

International students are subject to a 10% international student fee. These fees will be due on final payment prior to the start of the course

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