

## Avalanche Operations Level 2 – Module 2

When reading the following course goals and learning objectives, assume that each goal and objective begins with the following phrase:

*\*By the end of the course/lesson, learners will be able to...*

Course Goals		Related Learning Objectives				
<b>A.</b>	<b>Collect &amp; evaluate weather data</b>	1. Explain mountain weather phenomena	2. Select useful observation sites	3. Collect appropriate weather data	4. Analyze weather data	5. Describe how local weather will influence the avalanche hazard
<b>B.</b>	<b>Collect &amp; evaluate detailed snowpack data</b>	1. Assess snow cover distribution	2. Select relevant observation sites	3. Collect & document snow pack data	4. Collect slope stability, shear & other test data	5. Analyze data collected
		6. Describe and communicate snowpack structure data	7. Describe the differences and application of: ST, CT, RB, ECT, PST, DTT			
<b>C.</b>	<b>Collect &amp; evaluate avalanche size &amp; activity data</b>	1. Collect & record avalanche activity data	2. Analyze avalanche occurrence data	3. Analyze the significance of infrequent and large avalanche activity patterns for specific pieces of terrain	4. Identify evidence of infrequent and large avalanches	
<b>D.</b>	<b>Forecast avalanche hazard levels and trends</b>	1. Review & analyze pertinent weather, snow & avalanche data	2. Determine current avalanche problems and hazard	3. Discuss long term hazard trends and their impact on operations	4. Apply the terms avalanche risk, danger, and hazard	

<b>E.</b>	<b>Evaluate terrain</b>	1. Utilize terminology to describe characteristics of avalanche terrain	2. Characterize avalanche terrain using desktop tools	3. Analyze terrain for its capacity to produce avalanches including estimate of frequency, magnitude and type	4. Describe terrain use as it relates to different elements at risk	
<b>F.</b>	<b>Evaluate current avalanche hazard</b>	1. Integrate snow, weather, avalanche, terrain & human use data into an Avalanche Hazard & Risk Assessment.	2. Develop a daily operations plan based upon the current hazard			
<b>G.</b>	<b>Travel safely in avalanche terrain</b>	1. Identify safe routes & hazardous areas pre-trip and field	2. Select optimal route(s) pre-trip and field	3. Apply appropriate travel measures and safety measures to mitigate risk		
<b>H.</b>	<b>Manage personal performance</b>	1. Recognize the implications of his/her personal location on the novice to expert continuum	2. Recognize strengths & challenges of his/her learning style	3. Use appropriate techniques to compensate for limitations affecting personal decision-making	4. Apply positive self-evaluation techniques	5. Use appropriate techniques to turn ‘experiences’ into ‘useful experiences’
<b>I.</b>	<b>Manage personal wellness</b>	1. Minimize the impact of fatigue on decision-making	2. Manage the impact of self/peer/employer pressures on decision-making	3. Manage personal wellness factors to optimize decision-making		
<b>J.</b>	<b>Apply effective communication skills</b>	1. Use active listening skills	2. Consider the value of diverse perspectives	3. Give & receive feedback in a constructive way	4. Lead an operational activity and discussion	5. Apply conflict resolution skills

		6. Respond effectively to customer/co-worker/employer questions & concerns	7. Communicate avalanche hazard data in verbal, written, and visual formats using appropriate terminology	7. Communicate avalanche information and risk to intended target audience	8. Communicate effectively using a radio	
<b>K.</b>	<b>Demonstrate effective participation in a team</b>	1. Participate effectively in team meetings	2. Contribute to team discussion and achieving team objectives	3. Develop an operational plan, set priorities, and adjust priorities as required		
<b>L.</b>	<b>Apply operational risk management strategies and guidelines</b>	1. Implement an Avalanche Safety Plan	2. Apply worker safety regulations	3. Maintain personal and group situational awareness	4. Make decisions in the field that reflect the CAA Industry Training Program operational risk band	5. Apply decision verification techniques
<b>M.</b>	<b>Model professionalism</b>	1. Demonstrate the characteristics and role of a professional				
<b>N.</b>	<b>Demonstrate advanced avalanche search and rescue techniques and strategies</b>	1. Apply advanced search and rescue techniques and strategies	2. Apply rescue and medical triage strategies	3. Coordinate avalanche incident site organization	4. Manage risk in avalanche search and rescue	5. Manage post-incident issues and responsibilities

\*Each goal and objective may be comprised of several classroom and field based lectures.