

# TENTATIVE SCHEDULE

## (Nelson example)

### Day 1: Monday

#### 08:00 hours in Meeting Room

- Introduction; course objectives; evaluation; equipment
- Delivery of pre-course assignments (*Trigonometry, Topographic Maps, Avalanche Terrain, Climate & Weather, and Computer Mapping*)
- Lesson on avalanche motion
- Lesson on vegetation, forest damage and debris clues of avalanches
- Introduction to air photo interpretation
- Assignment on air photo interpretation
- Preparation of afternoon activity including description and use of field gear

#### Afternoon at the road to Whitewater Ski Area

- Identification of avalanche paths
- Observation of slope profile and clues of avalanches in runout zone of avalanche path 9.5

#### Evening in Meeting Room

- Recording of slope profile of avalanche path Whitewater 9.5

### Day 2: Tuesday

#### 08:30 hours in Computer Lab in Castlegar

- Lesson on computer-based mapping
- Computer-based mapping exercise

#### Lunch/early afternoon in Field for Locator Map Exercise

- Validation of avalanche path location
- Infrastructure location scenario

#### Return to Computer Lab in Castlegar

- Complete computer-based mapping exercise and infrastructure scenario

## **Day 3: Wednesday**

### **07:30 Departure from Nelson**

- Grohman Creek: identify start zone, map runout boundaries, survey of profile of runout, analyze vegetation

### **14:00 hours in Meeting Room**

- Complete report of avalanche path at Grohman Creek, including path summary, profile of avalanche path, map of runout zone

### **Evening**

- Dinner break

## **Day 4: Thursday**

### **08:00 hours in Meeting Room**

- Lesson on presentation of data
- Preparation of path summary and map of runout zone of avalanche path Whitewater 9.5
- Quiz on avalanche motion
- Lesson on climate and snow supply for avalanches

### **13:00 hours in Meeting Room**

- Analysis of size and frequencies of avalanches at path Whitewater 9.5
- Comments on pre-course assignments
- Study of air photo, map and snow supply at Reco Mountain

### **Evening in Meeting Room**

- Practice of air photo interpretation for interested participants

## **Day 5: Friday**

### **07:30 Departure from Nelson for full day field trip to Slocan Valley**

- Enterprise Creek: Discussion on avalanche hazard caused by logging activities
- New Denver-Kaslo Highway: Clues of avalanche activity, analysis of vegetation patterns in runout zone of infrequent avalanches.
- Fish Lake recreational site: Visit of MoTI road weather station
- Stenson Creek: Observations of recent avalanche paths
- Reco Mountain: Location and character of start zone and tracks, age of damaged trees in runout, analysis of period of large avalanches, analysis of maximum runout, record profile of a section of the path.

## **Day 6: Saturday**

### **08:00 hours in Meeting Room**

- Students complete a report of the avalanche path at Reco Mountain, including: outline on map of scale 1:20,000, avalanche path summary and avalanche path profile.
- Quiz on air photo study

### **Afternoon in Meeting Room**

- Review of the air photo quiz
- Introduction of the final exam assignment. Students study air photos and maps of Whitewater path 9.0
- Comments/Feedback to students on Reco Path profile and summary, to better prepare students for final exam.
- Study of air photos and maps for final assignment

### **07:30 hours in Meeting Room**

- Discussion and clarification of final assignment, objectives, expectations, groups, logistics, deliverables

## **Day 7: Sunday**

### **08:00 Departure from Nelson**

- Students complete field work for final assignment in groups of 2 for Whitewater path 9.0

### **13:30 hours in Meeting Room**

- Preparation of deliverables for final assessment: outline map, path profile and path summary. Assignments must be handed in at 16:30.
- Conclusion and closing remarks

### **17:00 End of Course**

- Hand in field equipment

## **Note**

Outdoor activities are dependent on the weather. The schedule will be modified when inclement weather is expected to limit visibility and restrict work in avalanche paths.