

# Avalanche and Snow Dynamics FRWS 5460 (1-2 cr.)

## Level I and Level II Avalanche Course

Saturdays 1000-1600

Meets at the Snowbasin Resort\*

Primary Instructor: Mike Jenkins ([mjenkins@snowbasin.com](mailto:mjenkins@snowbasin.com))  
Instructor: Liz Hebertson  
Teaching Asst.: Patrick Kailey

Textbooks: *Staying Alive in Avalanche Terrain* by Tremper  
*The Avalanche Handbook* by McClung and Schaerrner

Level I: avalanche awareness and safety including fundamentals of companion rescue, terrain analysis, route selection and hazard and stability evaluation.

Level II: an advanced course covering analysis of mountain snowpacks including crystallography, stratigraphy, metamorphism, avalanche characteristics and forecasting, meteorology and the use of regulations and explosives in resort management.

<u>Date</u>	<u>Topic</u>
January 14**	Avalanche Accidents Avalanche Terrain Backcountry Rescue
January 21**	Route Selection Stability Evaluation
January 28	Mountain Meteorology
February 4	Mountain Snowpack
February 11	Hazard Assessment Route Selection Stability Evaluation
February 18	The Avalanche Phenomenon
February 25	Fundamentals of Avalanche Mitigation
March 4	Backcountry tour and review

\* students provide transportation to and from Snowbasin

\*\* required for Level I certification and 1 credit option