



**Winter Weather Forecasting
Course Schedule
November 5 & 6, 2016
Jackson, WY**



AMERICAN
AVALANCHE
INSTITUTE

Basic Meteorology & Map Reading

DAY 1: 0800 to 1700 MDT

0800 to 0830	Introduction & Course Overview
0830 to Noon	Weather Fundamentals:
	The Atmosphere & How the Weather Works
	Storm Systems, High & Low Pressure, Fronts
	Weather Map Interpretation:
	Map Prep: Time & Conversions
	Satellite & Radar Images
Noon to 1300	Lunch Break
1300 to 1700	Nowcast Exercise :: Satellite & Radar
	Surface Weather Maps
	Upper Air Maps
	Weather Map Exercise :: Upper Air Maps
	Meso-scale Meteorology:
	Mountain Topography & Basic Orographics
	Local Orographics Effects
	Quick-Look Forecast Exercise

Forecast Tools & Mountain Forecasting

DAY 2: 0800 to 1700 MDT

0800 to 0830	Review of Day 1
0830 to Noon	Numerical Weather Products:
	Intro to Computer Models
	Navigating the Models
	Mountain Wind & Snowfall Forecasting:
	Mountain Winds
	Snowfall Forecasting
	Forecast Exercise
Noon to 1300	Lunch Break
1300 to 1700	Other Forecast Products:
	NWS Discussions & Forecast Maps
	Long Range Outlooks & ENSO
	Point Forecasts
	Final Forecast Exercise
	Course Wrap-up

Course Instructor: Meteorologist Jim Woodmencey :: www.mountainweather.com