

METEOROLOGY (MTDI)

MTDI 1200 Weather and Climate (3)

Basic atmospheric physical processes are investigated in order to gain a scientific understanding of atmospheric phenomena, and explore atmospheric environmental issues such as global climate change. Topics include: structure of the atmosphere, temperature, moisture, seasons, clouds and precipitation, global circulation, midlatitude cyclones, thunderstorms, tornadoes, climate zones, and global climate change. Students who have completed MTDI 1100 cannot take this course. Falls and Springs. (SIDI)

MTDI 1250 Weather and Climate (4)

Hands-on course in basic physical processes involved in weather, climate, and climate change. Frequent individual and group exercises. Class discussions about the scientific process, critical thinking, and the impacts of weather and climate on human endeavors. Falls and Springs. (SIDI)

MTDI 1500 Severe and Hazardous Weather (3)

Addresses various scientific inquiry skills by analyzing the world's most extreme weather events in terms of their scientific basis and their economic, human and historical consequences. Topics include hurricanes, tornadoes, blizzards, cold waves, heat waves, floods, droughts, major air pollution events and others. Falls and Springs. (SIDI)