Key Terms and Concepts

Upon completion of this course, the student should be familiar with the following terms, concepts, and programs.

Water – Land – Plant relationships

Hydrologic cycle
Surface water
Run on
Run off
Water logging
Micro catchment
Catchment
Soil water storage
Aquifer
Water table
Aquifer mining
Groundwater
Renewable and non-renewable groundwater
Ground water development
Ground water recharge
Transpiration
Evaporation
Deep percolation
Soil permeability
Water potential
Vadose zone
Intermediate vadose zone
Arable land
Fallowing
Rainfall harvesting
Conservation bench terraces
Mulching
High output agriculture
Slash and burn agriculture
Grassy waterways

Drought
Per capita water availability
Desertification
Agricultural Drought
Meteorological Drought
Hydrologic Drought
Famine
Albedo

Links:

Drought monitoring – Agencies in the United States:

National Drought Mitigation Center – University of Nebraska-Lincoln
http://drought.unl.edu/index.htm

Joint Agricultural Weather Facility
http://www.usda.gov/oce/weather/index.htm

National Weather Service- Climate Prediction Center
http://www.cpc.ncep.noaa.gov/

Drought Monitor
http://drought.unl.edu/dm/

USDA Drought Information Page
http://disaster.usda.gov/drought_jump.htm

Drought monitoring - International: Agencies:

Global Information and Early Warning System of the FAO on Food and Agriculture (GIEWS)
http://www.fao.org/WAICENT/faoinfo/economic/giews/english/index.htm