

Key terms and concepts

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

Soil Erosion

Topsoil

Moldboard plow

Water and wind erosion

Geologic / natural erosion

Raindrop splash erosion

Channelized flow (rill or gully) erosion

Sheet erosion

Surface creep erosion

Runoff water

Suspension of soil particles

Sedimentation

Dredging

Universal Soil Loss Equation (USLE)

Revised Universal Soil Loss Equation (RUSLE)

Rainfall Factor (R)

Soil Erodibility Factor (K)

Slope factor (LS)

Vegetative cover and management factor (C)

Practice factor (P)

Wind Erosion Prediction Project (WEPP)

Erosion Tolerance Level (T) value

Soil Erosion (erodibility) index (EI)

Dust Bowl

Desert pavement

Desertification

Wind erosion equation (WEQ)

Erodibility factor (I)

Ridge Roughness Factor (K)

Climate Factor (C)

Length of Field factor (L)

Vegetative Cover Factor (V)

Links

Agencies working on soil erosion and land degradation – United States

Land Degradation and Desertification working group at NRCS

<http://soils.usda.gov/use/worldsoils/landdeg/>

National Soil Erosion Research Laboratory, Midwest Area Office,

http://www.ars.usda.gov/main/site_main.htm?modecode=36021500

Southwest Watershed Research Center, Tucson, Arizona

http://www.ars.usda.gov/main/site_main.htm?modecode=53424500

Wind Erosion Research Unit, Kansas

<http://www.weru.ksu.edu/>

Wind Erosion and Water Conservation Laboratory, Texas

<http://www.lbk.ars.usda.gov/wewc/>

Agencies working on soil erosion and land degradation - International

United Nations Convention to Combat Desertification

<http://www.unccd.int/>

Asia Soil Conservation Network For the Humid Tropics

<http://www.asocon.org/>

Erosion Control Technology Council

<http://www.ectc.org/>

FAO site on Desertification

<http://www.fao.org/desertification/default.asp?lang=en>

International Erosion Control Association

<http://www.ieca.org/>

International Commission on Continental Erosion

<http://homepage.usask.ca/~dhd842/ICCE/>

International Soil Conservation Organization

<http://www.tucson.ars.ag.gov/isco/>