Use of Soil Survey Information in Undergraduate Education

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Courses at UW-Platteville Using NRCS Soils Information

- SCSCI 2230 – Soils
- SCSCI 3330 – Soil Morphology and Classification
- SCSCI 3340 – Nutrient Management
- SCSCI 4350 – Soil and Water Conservation
- SCSCI 3380 – Special Problems in Soil Science (Soils Team)
SCSCI 2230 - Soils

- Introduce students to soil survey information and soil interpretations
  - Available water calculations
  - USLE
  - Printed soil surveys and map unit interpretation
  - Introduction to Web Soil Survey
SCSCI 3330 - Soil Morphology and Classification

- Introduce students to concepts of Soil Mapping.
- In-depth exploration of soil map units
- Soil map unit interpretation
- Official soil series descriptions
- U.S. soil taxonomy
- Hydric soil Classification
- Digital soil resources
SCSCI 3340 Nutrient Management

- Soil map units and interpretation for nutrient management planning
- Predominant and critical Soil Map Units (SNAPplus)
- Slope restrictions and N restricted soils
SCSCI 4350 – Soil and Water Conservation

- Historical context of Soil and Water Conservation
- Conservation practices
- RUSLE2
- Conservation planning
SCSCI 3380 – Special Problems in Soil Science (Soils Team)

- Regional study of pedology and geomorphology
- Soil survey information is used to prepare students for contests
- Students work together to describe and classify soils
- OSD’s an web soil survey
Other Cooperative Efforts With County, State and Federal Agencies

- Local Nutrient Management Training
- High School Land Judging contests
- Regional and National Collegiate Soil Judging Contests
- Guest speakers
- Sponsored research (Pioneer Farm)