

# Soil Health Concepts in Agroecology



## KBS Summer Course

**Course Code:** CSS 491 section 431 (2 credits)

**Course Dates:** May 24-Jun 23

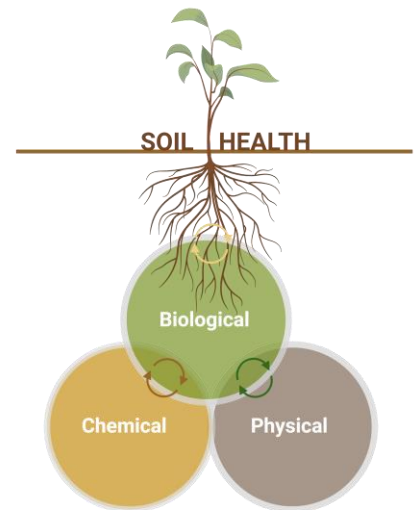
**Course Schedule:** Class meets WF from 9 am-12 pm

**Instructor:** Dr. Christine Sprunger

**Location:** W.K. Kellogg Biological Station in Hickory Corners, MI

**Course Prerequisites:** BS 161, CSS 101 or PLB 105,

or prior approval from instructor



Field Sampling



Laboratory Analyses



Generate and Interpret Soil Health Reports

**Course Description:** Soil health is central to regenerative agriculture because of its influence on crop productivity and its role in enhancing ecosystems services. Soil health is also central to climate mitigation and adaptation. Soil health quantification requires a holistic approach that integrates biological, chemical, and physical components of a given ecosystem. Students will learn how to conduct robust soil health assessments by gaining hands-on experience in both the field and lab. Class sessions will consist of field trips, real-time sampling, laboratory techniques, data analysis and data interpretation. Students will generate soil health test reports and learn how to construct recommendations that inform sustainable management practices. This is a 400 level course that can be taken for credit at the [undergraduate or graduate level](#).

Sign up on the KBS website:

<https://www.kbs.msu.edu/education/courses/#undergrad>