Ecdysis Foundation

Presents

the 2nd course on the

**Applied Agroecology:**

Strategizing Science to Address Farmers’ Needs

**Instructors**

Dr. Jonathan Lundgren, Ecdysis Foundation, Estelline, SD  
Dr. Michael Bredeson, Ecdysis Foundation, Estelline, SD  
Allen Deutz, Deutz Heritage Farm, Marshall MN  
Cable Hardin, School of Design, South Dakota State University, Brookings, SD  
Dr. Aaron Pearce, USGS, Jamestown, ND  
Dr. Ryan Schmid, Ecdysis Foundation, Estelline, SD  
Dr. Kris Wyckhuys, Hanoi, Vietnam

When: June 22-26, 2020  
Where: Oak Lake Field Station, Brookings County, South Dakota  
[https://www.sdstate.edu/oak-lake](https://www.sdstate.edu/oak-lake)

Science can help usher in broadscale changes that promote our natural resource base as well as the resilience of farms and rural communities. Regenerative agriculture represents a viable and exciting solution to the environmental and economic problems affecting agriculture today. However, agricultural science is often disconnected from the farmers that need it most. Training the next generation of scientists in how to conduct science that is relevant to farmers is critical to enacting change to agricultural production across the landscape.

This interdisciplinary course will prioritize the socio-economics of regenerative farming, instruct students in experimental endpoints of importance to farmers, and how to conduct science from a “boots on the ground” perspective. The course will prioritize hands on experiences working with actual farming operations, and will provide skill sets that graduate students can integrate into their research programs. Some skills that students will learn at the course include 1) videography for communicating science, 2) economic analyses of complex agro-ecological systems, 3) regenerative farming systems design, and 4) identifying metrics for evaluating soil health and progress in regenerative systems that are useful to farmers and scientists alike.

Tentative cost per student is $500 (includes meals, lodging, and course materials)

Class space is limited.  
Please contact Jonathan Lundgren (jonathan.lundgren@ecdysis.bio)