



Nature-Based Solutions for Erosion: Soil Bioengineering Techniques

March 12, 2021

About the Course

This presentation is on the use of soil bioengineering to stabilize steep slopes and eroding stream banks. Bioengineering offers a more economical and sustainable method of managing slope instability while promoting ecological restoration and successional reclamation of disturbed sites.

This presentation offers an introduction to the fundamentals of bioengineering and examines how bioengineering may act as an effective alternative to traditional engineering practices while building resiliency into the watershed.

The presentation will be offered at

Friday, March 12, 2021
12:00 p.m. EST

Topics to be covered include:

- Benefits of Bioengineering (Biodiversity, Climate Change, Cost)
- Specific techniques to treat steep/unstable slopes and eroding stream banks
- Considerations for design, installation, maintenance and monitoring
- Case studies to review a variety of installed bioengineering treatments

Presenter

Kristen Andersen, CPESC, PWS, P.Biol.

Kristen is a certified professional in erosion and sediment control and restoration ecologist with 24 years of experience managing sites for erosion and establishing vegetation to restore ecological function. She teaches wetland courses at the University of Alberta Faculty of Extension and is a Senior Environmental Scientist with Associated Environmental.

