

Introduction to Soil Science

Lecturer: Dr. Bálint Heil PhD.

Institute: University of Sopron, Faculty of Forestry, Institute of Environmental and Earth Sciences

Course code: EG164-AAA00

Credit points: 2

Time table: Lecture:2/Lab:1

Language: English

Course description

Topics

Basics of soil science: soil information, physical properties of soils, the hydrologic cycle of soils, soil aeration and temperature, soil colloids, soil acidity and alkalinity, soil organic matter, soil biota, cycles of major plant nutrients and possible environmental pollutant elements. The course includes lectures and laboratory hours. The topics of the lectures are introduced with computer-aided presentations. Students start their lab and field training by making their own soil pits and sampling. Each student has to examine his own sample in the laboratory.

References

1. Brady and Weil: Elements of the Nature and Properties of Soils. Pearson – Prentice Hall, New Jersey 07458