

CERTIFIED SOIL TESTERS EXAM PREP AND CONTINUING EDUCATION CREDIT

Thursday, April 2 and Friday, April 3, 2020

Fond du Lac Campus, B-128

Instructor: Mark Finger

\$50 (62 & over \$36.35) per person per session.

Day 1 - Thursday, April 2, 2020

Introduction to Onsite Waste Water Treatment and SPS 383/385 - CRN 31144

9:00 a.m. - 12:00 Noon

The first portion of this session will be a general introduction to onsite wastewater treatment. It will include an overview of onsite applications and techniques, a description of wastewater characteristics, and a discussion of the role of soil in treating wastewater. The second portion will cover WI administrative rules from SPS 383 and SPS 385 (Wisconsin Administrative Code) that pertain to soil and site evaluations and the site evaluator's responsibilities in Wisconsin.

Soil Fundamentals - CRN 31145

1:00 p.m. - 4:00 p.m.

The objective of this session will be to provide the student with a basic understanding of the principles of soil genesis, morphology, and classification as they apply to the description and interpretation of soil profiles in relation to evaluating soil for wastewater treatment. The importance of recognizing genetic soil horizons and their properties will be stressed. Soil horizons as expressions of unique physical, chemical, and biological processes will also be explained. Also presented, a phase view of soil as a composite interaction of solids, liquids, and gases and the importance of this view in wastewater treatment.

Day 2 - Friday, April 3, 2020

Describing and Interpreting Soil Profiles - CRN 31146

9:00 a.m. - 12:00 Noon

This session will be a collection of hands-on activities to introduce techniques and standard documentation protocols for describing soil profiles. Topics will include necessary equipment, identifying soil horizons, estimating soil texture, documenting soil colors, evaluating soil structure and consistency, recognizing miscellaneous profile features, using standard description notation, and completing an SBD 8330 soil evaluation form. Explanations of how to interpret the descriptive features will also be provided.

Site Mapping Techniques and POWTS Design Rules/Principles - CRN 31147

1:00 p.m. - 4:00 p.m.

The importance of accurate site maps to avoid plan review and system installation problems will be the topic to begin this session. Basic field and drafting procedures for accurate mapping will be illustrated. The concluding part of this session will entail a summary of important POWTS design rules and principles that every CST should know to competently perform a soil and site evaluation.

Field Practicum - Friday April 17, 2020 (weather permitting & location to be determined)

\$100 (62 & over \$96.35) per person.

10:00 a.m. - 2:00 p.m.

Soil Testers: Field Practicum - CRN 31148

This field practicum will be offered as a way of practically applying the concepts and techniques covered during the classroom sessions. Students will be challenged to describe soil profiles and to perform an actual soil and site evaluation. Instructional guidance will be available for all activities.

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