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Your progress

Welcome to Basic Hydraulics for Landscape Irrigation!

This will teach you the core principles of how and why water moves in an irrigation system. In this module you will learn some of the basic terms as you study static and dynamic conditions. You will also learn about the equation that is used to account for the energy in a system and some basic design considerations.

The tutorials in this module can be viewed as many times as needed. However, you must view every tutorial all the way through in order to receive credit for completing the "activity". It will be marked as complete with a check mark in the box to the right of the tutorial name after you have finished watching it all the way through. Most tutorials contain one or more self-quiz questions that must be answered correctly before you can continue with the tutorial. You can answer as many times as you need to get it right. These questions are there to make sure you understand the concepts! To help you take notes or follow along, you can download and print the "Tutorial Notes" for each video, or the glossaries for each module.

Tutorials

Objectives - Basic Hydraulics (1:30)

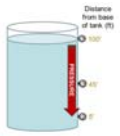
Glossary - Basic Hydraulics

Hydraulics Terms

Hydraulics Terms (5:10) ☑

Tutorial Notes - Terms

Static Conditions



Static Conditions, Part 1 (5:51) ☑

Tutorial Notes - Static Conditions Part 1

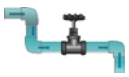
Static Conditions, Part 2 (5:44) ☐

Tutorial Notes - Static Conditions Part 2

Static Conditions, Part 3 (8:27) ☑

Tutorial Notes - Static Conditions Part 3

Dynamic Conditions



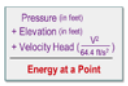
Dynamic Conditions, Part 1 (4:25) ☑

Tutorial Notes - Dynamic Conditions Part 1

Dynamic Conditions, Part 2 (8:21) ☐

Tutorial Notes - Dynamic Conditions Part 2

Water and Energy



Bernoulli Equation (6:05) ☑

Tutorial Notes - Bernoulli

Example Calculations (6:03)

Tutorial Notes - Example Calculations

Hydraulic Grade Lines (11:18)

Tutorial Notes - Hydraulic Grade Lines

Design Considerations

Sprinkler Hydraulics (8:57)

Tutorial Notes - Sprinkler Hydraulics

Other Design Considerations (3:43)

Tutorial Notes - Other Design Considerations

Final Exam

Ready to Take the Exam?

The final exam will only be accessible after all activities in this module are marked as complete. In other words, once you have viewed all of the tutorials all the way through, and there is a check mark in the box to the right of each tutorial name, you can take the exam.

When the exam becomes available, you will have 3 opportunities to pass the exam with a 70% or better. If you do not pass the exam on the first attempt, you can review any of the tutorials, if you like, and try again. You will not need to watch all the tutorials again! Once you begin the exam, you can't exit it. So please make sure that you are comfortable with the materials presented in this module before starting the exam.

This exam is timed. You will have XX minutes to complete XX questions.

Final Exam

Restricted:

- Not available until the activity **Hydraulics Terms (5:10)** is marked complete.
- Not available until the activity **Static Conditions, Part 1 (5:51)** is marked complete.
- Not available until the activity **Dynamic Conditions, Part 1 (4:25)** is marked complete.
- Not available until the activity **Dynamic Conditions, Part 2 (8:21)** is marked complete.
- Not available until the activity **Bernoulli Equation (6:05)** is marked complete.
- Not available until the activity **Sprinkler Hydraulics (8:57)** is marked complete.
- Not available until the activity **Example Calculations (6:03)** is marked complete.
- Not available until the activity **Hydraulic Grade Lines (11:18)** is marked complete.
- Not available until the activity **Other Design Considerations (3:43)** is marked complete.

CEU Certificate and Course Survey

Once you've successfully passed the exam you will be able to print a certificate of completion. You must pass the exam with a 70% or better for the certificate to become available. The certificate will be emailed to you and the IA. However, it may be wise to save the certificate to your computer so that you can prove you completed the module and earned the CEUs.

The course survey becomes available after attempting the exam. This survey is optional and not required to earn the CEUs. However, your feedback is a valuable resource, so we would like your input regarding this module. The survey should only take about 5 minutes to complete.

CEU Certificate - Basic Hydraulics

Restricted: Not available until you achieve a required score in **Final Exam**.

Course Survey

Restricted: Not available until you achieve a required score in **Final Exam**.