

## Instructor

Diane Spector is an engineer specializing in watershed and water resources planning, stream restoration, lake and stream TMDLs, water resources education, and lake management plans. She is a principal with [Wenck Associates, Inc.](#)

[dspector@wenck.com](mailto:dspector@wenck.com)

## Course Dates:

The course will open on Feb. 2, 2015. The instructor will monitor and participate in discussions, answer questions, and be available to participants on a regular basis **for two weeks after the course begins**. Assignments are expected to be completed within that two week period. Course materials will remain open to participants indefinitely, for review and reference.

## Course Goals:

Participants will learn:

- Basic concepts central to the study of water (hydrology)
- Important vocabulary in hydrology
- How hydrology forms the foundation of their work as master Water Stewards

## Learning Objectives

- Understand how rainfall, runoff, and the movement of water are **described, calculated, and measured**.
- Understand the factors that influence **how water moves**.
- Understand how water **shapes the land** and our water resources.
- Understand how precipitation patterns are **changing** and how that may impact our water resources.

## Assessment

- All participants will be expected to complete all Learning Activities listed for each course within two weeks of the opening of the course dates
- All participants are expected to participate in the Discussion forums for each course.
  - Contribute at least one original posting that responds to the discussion prompts in the course.
  - Respond to the postings of at least two colleagues in the course with a thoughtful, substantive response.
- All participants will be expected to successfully pass an online quiz, with a core of at least 90%

## Course Description:

Hydrology 101 is a foundational course. What we cover you will use nearly every day in your work as water stewards. We will discuss basic concepts and terminology. You may not need to know how to do everything we will cover, but it will be helpful to at least have heard some of the terms and be introduced to some concepts. We are covering an entire semester's worth of work in one short course; you may need to revisit modules several times throughout the course, or return to these materials to refresh your memory. You will find that as you apply the concepts, the theory will start to make more sense and become more intuitive.

## How to begin:

All Master Water Stewards courses have a very similar course navigation scheme. You will notice the following documents:

**Welcome and Introduction-** This is where you will find the syllabus, the learning goals, objectives and course description, and any other materials that provide information on the course and its structure. Make sure to read this document carefully- it will help you get started, and keep you from getting lost as you go through the course.

**Modules-** All the learning activities are here for each course. Each set of modules will have learning activities you will need to complete in order to complete the course. Many of these will ask you to post information on the Discussion Forums

**Discussions-** All the discussion forums are in this area. Each of the courses in the Master Water Stewards program will make use of discussion forums. All students and instructors are expected to participate in discussions, and we think you will find these to be a rewarding part of the program. Our goal is to provide plenty of opportunities to learn from each other through discussions.