

WEAP TRAINING COURSE – SYLLABUS

DESCRIPTION

The WEAP Training course provides an introduction to the fundamental and intermediate features of WEAP. WEAP ("Water Evaluation And Planning" system) is a user-friendly modeling software platform developed by the Stockholm Environment Institute that takes an integrated approach to water resources planning.

The course follows several exercises within the WEAP Tutorial in an interactive, online environment. While basic computer proficiency is expected, no prior experience using WEAP or other water modeling software is required. The course consists of 3 training days of 3 hours each, for a total of 9 hours. A certificate of course completion is provided upon successful completion of the course.

LEARNING OBJECTIVES

At the end of this course, you will be able to:

- Build your own basic WEAP area from scratch
- Create and run alternative scenarios
- Model urban and agriculture demands
- Model supply features including groundwater, reservoirs, and flow requirements
- Simulate hydrology and use the automatic catchment delineation tool
- Navigate the WEAP results and create customized results dashboards and maps

PARTICIPATION REQUIREMENTS

1. **Submit course payment 7 days prior to the start of the course.**
 - Upon registering, you will be sent a link from the GoToTraining system to submit a payment via PayPal. If you need alternate payment accommodation via direct wire transfer, please notify us.
 - If course payment is not received by the due date, then your registration will be cancelled to make room for any participants on the waitlist.
 - Full refunds are available for cancellations prior to the start of training.
2. **Download and install WEAP:** www.weap21.org/download
 - Note that a WEAP license is not needed to participate in the course.
 - Mac users will need to run WEAP through a Windows virtual machine.
3. **Download and install GoToTraining:** <https://support.goto.com/training/help/how-do-i-download-gototraining>
4. **Secure two computer monitors.**
 - Access to two monitors is strongly recommended so that you can watch the presentation on one screen and build WEAP on the second screen simultaneously.
 - Alternatively, you can run WEAP on one computer and run GoToTraining on a second computer.
5. **Secure headphones or earbuds for audio.**



COURSE OUTLINE

The course will follow the first several chapters of the tutorial listed below. Note that the exact timing and content may depend on the interest of the participants. The course additionally includes quizzes, optional homework assignments, and opportunities for questions and discussion to enrich the learning each day.

Day #1: Learn the basic foundation of using WEAP.

Getting started- what do you need to know to build your model?

Building the model schematic

WEAP in One Hour

Scenarios

Day #2: Learn the intermediate supply, demand and data entry features of WEAP.

Reservoirs, groundwater, flow requirements

Excel functions

Results

Day #3: Learn more about hydrology calculations and look towards more advanced features.

Hydrology

Calibration

Looking ahead at the other advanced chapters within the Tutorial

CONTACT INFORMATION

For any questions or comments, please contact us at: weaptraining@sei.org