

# Ceramic Water Filter Course

Adamah Clay Studios, Dodgeville, Wisconsin, USA  
August 17 - 28, 2019



## COURSE DESCRIPTION

**Potters for Peace**, in partnership with **CAWST** (Centre for Affordable Water & Sanitation Technology), is offering a two-week ceramic water filter course. The course will be offered in English and will be taught at Adamah Clay Studios, Dodgeville, Wisconsin, USA.

**DATES:** Saturday, August 17<sup>th</sup> – Wednesday, August 28<sup>th</sup>, 2019

**START TIME:** 8:30 am, Saturday, August 17<sup>th</sup>, 2019

**END TIME:** 5:00 pm, Wednesday, August 28<sup>th</sup>, 2019

**TRAVEL:** Please schedule your travel for Friday August 16<sup>th</sup> and Thursday August 29<sup>th</sup>, or make your own arrangements to get to and from Dodgeville. Participants are responsible for their own transportation costs to Madison, Wisconsin.

**TUITION FEE:** USD \$3500. Tuition covers all meals during the course, lodging at the retreat center at Adamah Clay Studios and transportation from Madison Wisconsin airport (MSN) or the Van Galder bus station in Madison, WI on August 16<sup>th</sup>. Buses run from the O'Hare airport to Madison daily. We will also provide transportation to Madison on August 29<sup>th</sup>. Dinner on August 16<sup>th</sup> and breakfast on August 29<sup>th</sup> is included.

**LODGING:** Accommodation is in modern, multiple occupancy rooms with adjoining bathrooms and air-conditioning.

### SCHOLARSHIPS

A limited number of partial scholarships is available. A limited number of partial scholarships are available. To apply for a partial scholarship, fill out and return a Scholarship Application Form.

### COURSE OBJECTIVES

By the end of the training participants will be able to demonstrate what is involved in high quality ceramic filter production and explain what is involved in starting and maintaining a successful filter factory.

This course is designed to:

- Train and support existing factory owners
- Attract and guide new ceramic filter factory startups
- Promote collaboration and communication between members of the filter community
- Improve filter quality on a global scale, thus helping to reduce the global burden of diarrheal disease

### COURSE OUTLINE

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The following is an abbreviated list of topics to be covered in the course:

- How Water is Contaminated
- Pathogens and Water Related Diseases
- The Multi-Barrier Approach
- Point of Use Water Treatment Options
- How to Make a Ceramic Pot Filter
- How Ceramic Pot Filters Remove Pathogens
- Raw Material Processing
- Burn out Material Selection
- Clay Selection
- Formulating a Filter Recipe
- Record Keeping
- Filter Forming, Finishing and Identifiers
- Machinery Overview
- Filter Drying
- Kiln Stacking and Firing
- Quality Control
- Microbiological Testing
- Silver Application
- Packaging and Loading
- Troubleshooting
- Health and Safety
- Receptacle Selection
- Filter Taps
- Distribution Plans
- End User Education
- Filter Instructions and Maintenance
- Equipment for Starting a Filter Factory
- Start up and Operational Costs
- Financing Options
- Business Models
- Marketing and Sales Models
- Floor Plan Development

## VISA INFORMATION

Participants that need to apply for visas should do so as soon as possible, and may need a passport that will be valid for at least 6 months after the end of the course. If you need a visa to enter the US, please go online to [ceac.state.gov](http://ceac.state.gov) and apply for the nonimmigrant tourist/business visa called **DS-160**. You will need to fill out the application online and provide a correctly sized passport photo (see this and other important information at the link above).

You may request a letter verifying the purpose of the trip from Potters for Peace when you submit your deposit and registration form. Note that course registration fees are refundable if you plan on attending the course but are unable to obtain a visa. Please do NOT purchase your airline tickets until your visa has been granted.

## MORE INFORMATION

- For more information, please visit the Potters for Peace website: [pottersforpeace.org](http://pottersforpeace.org) (under the CERAMIC WATER FILTER PROJECT tab)
- For registration, payment and scholarship questions, contact Jennifer Mally: [executivedirector@pottersforpeace.org](mailto:executivedirector@pottersforpeace.org)
- For questions regarding course content, contact Robert Pillers: [robert@pottersforpeace.org](mailto:robert@pottersforpeace.org)