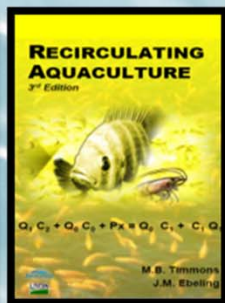




20th Annual Short Course June 23-27, 2014

Engineering Design of Recirculating Aquaculture (RAS), Hydroponic, and Aquaponic Systems



COURSE DESCRIPTION:

The first three days of this course (Monday-Wednesday) reviews the basic engineering principals behind a successful recirculating aquaculture system (RAS) design. The objective of this section is to provide sufficient information so that the participant will be able to design, construct, and manage their own RAS system. On the fourth day (Thursday), the fundamentals of growing plants using current state-of-the-art hydroponic techniques will be presented along with the design and management of these systems. On Friday, Aquaponics as a combination of aquaculture (fish) and hydroponics (plants) will be covered and several design options explored. Basic principles of business management for the small family farm will also be reviewed by guest speaker Michael Finnegan, CEO Continental Organics LLC.

A “distance” learning opportunity for aquaculture only is also offered (see website for details).

At the conclusion of the workshop, individuals will have the essential information necessary to design their own systems and have a fundamental knowledge of the principles influencing the numerous design options.

In addition, a FARM TOUR will be made to Continental Organics Inc. (2 acres of hydroponics and a 100,000 lb./year tilapia system); see www.conorgnx.com for farm details (within 10 minutes of educational venue).

LOCATION: Mount Saint Mary College
330 Powell Ave., Newburgh, NY 12550
http://www.msmc.edu/About_MSMC/Our_Location

Host Professor: Dr. Lynn Maelia, Chemistry

INSTRUCTORS:

Cornell University, Ithaca, NY

Dr. Michael B. Timmons: Aquaculture &
Business Management

Aquaculture Systems Technologies, New Orleans, LA

Dr. James M. Ebeling: Aquaculture/Aquaponics

Continental Organics LLC, New Windsor, NY

Michael Finnegan, CEO: Business Management

REGISTRATION:

Limited Enrollment, Tuition \$1000 plus housing
Register by June 13, 2014

Text for Course: “Recirculating Aquaculture” by
Timmons and Ebeling, included in course packet.

Unlimited Enrollment for Distance Learning Course
Packet (Aquaculture only; does not cover hydro or
aquaponics)

FOR MORE INFORMATION

<http://fish.bee.cornell.edu/short-course-info>

Dr. Michael B. Timmons, mbt3@cornell.edu or
607-255-1630

Mary Cornell, mho5@cornell.edu or 607-255-8596

ACCOMODATIONS:

MOUNT SAINT MARY COLLEGE DORMS
\$30 single/\$45 double per night (limited/RSVP M.
Cornell)

Homewood Suites by Hilton at Newburgh-Stewart
Airport, 180 Breunig Rd, New Windsor, NY 12553
Tel.: 845-567-2700

<http://www.hiltonhomewoodstewartairport.com/webpages/contact.aspx>