

Friday, June 13, 2014
 Moderator: Hugh Hammer



8:00 - 9:30	Field Trip to Auburn Aquarium at Auburn HS Stan Arington	
9:30 - 10:00	Feeding Demonstration or Activity	Team Leaders
10:00 - 10:20	Aquaculture Production Systems Video	David Cline
10:20 - 10:30	BREAK	
10:30 - 11:30	Aquaponics Economics	Terry H or PJ Waters
11:30 - 12:00	Post-test and Evaluations	David Cline
12:00- 12:15	Awards Ceremony	David Cline
12:15	Adjournment	David Cline

Workshop Presenters

Hugh Hammer, PhD
 Program Manager Aquaculture
 Gadsden State Community College
 Gadsden, AL

Jason Danaher
 PhD Candidate
 Auburn University
 Auburn, AL

Bill Hemstreet
 Fish Health Specialist
 Alabama Fish Farming Center

Jeremy Pickens
 AU Research Associate

Jason Danaher, Ph.D. Student
 Fisheries and Allied Aquacultures
 Auburn University

David Cline
 Extension Aquaculturist
 Alabama Cooperative Extension System
 Auburn, AL

P. J. Waters
 Extension Aquaculturist
 AUMERC/ Seagrant
 Mobile, AL

Tim Adams
 Aquaculture Senior Technician I
 Gadsden State Community College

Randy Campbell
 Todays Green Acres Aquaponics

Jeremy Pickens, Research Assoc.
 Auburn Dept of Horticulture
 Auburn University

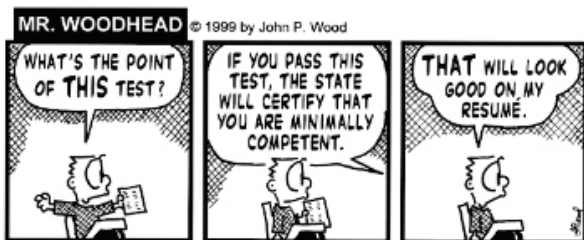
AQUAPONICS 101

Teaching with Tilapia and Tomatoes

June 9-13, 2014



© David Cline



Monday, June 9, 2014
Moderator: David Cline

8:30 - 9:00	Coffee and Pastries	
9:00 - 9:20	Welcome and Hatchery Team Assignments	David Cline
9:20 - 9:40	Teacher Pre-test	David Cline
9:40 - 10:10	Introduction to Aquaponics	David Cline
10:10 - 10:20	BREAK	
10:20 - 11:10	Recirculating Systems Components and Functions	David Cline
11:15 - 12:00	RAS Interactive Presentation	David Cline
12:00 - 1:00	LUNCH On Your Own	
1:00 - 2:00	Aquaculture Station Tour	David Cline
2:00 - 2:30	Sizing the Bio-filter and Worksheet	PJ Waters
2:30 - 5:00	System Assembly (break as needed)	Team Leaders



Tuesday, June 10, 2014
Moderator: Hugh Hammer

8:00 - 9:00	Hatchery Maintenance	Team Members
9:00 - 10:30	Introduction to Water Quality	David Cline
10:30 - 10:45	BREAK	
10:45 - 12:00	Water Quality Hands On	David Cline
12:00 - 1:00	Lunch on Your Own	
1:00 - 2:00	Water Quality Hands-on and Interpretation	David Cline
2:00- 3:00	Volumetric Displacement Lab	PJ Waters
3:00 - 3:15	Break	
3:15 - 4:00	Counting Fish Fry by Volume and Weight?	Hugh Hammer
4:00 - 5:00	Pond Activity	Hugh/ Dave

There's a biological war going on in your water !!



Wednesday, June 11, 2014
Moderator: PJ Waters

8:00 - 12:00	Field Trip to Aquaponics Operations	
12:30 -1:30	Introduction to Aquaponics I	Jeremy Pickens
1:30 - 2:15	Aquaponics Greenhouse Options	Randy Campbell
2:15 - 2:30	BREAK	
2:30-3:15	Low Density Aquaponics	Randy Campbell
3:15- 3:30	Aquaponic Components Assembly	PJ Waters
3:30 - 5:00	System Assembly	Team Members



Thursday, June 12, 2014
Moderator: PJ Waters

8:00 - 9:00	Hatchery Duty	Team Members
9:00 - 10:00	Fish Health, Stress, and Disease	Bill Hemstreet
10:00 - 10:15	BREAK	
10:15 - 11:00	Catfish and Tilapia Dissection	Bill Hemstreet
11:00 - 12:00	Plant Selection for Aquaponics	
12:00 - 1:00	Lunch On Your Own	
1:00 - 2:00	Integrating Aquaculture into Course of Study	Hugh Hammer
2:00 - 2:15	BREAK	
2:15 - 3:15	Aquaponics Creative Engineering	
3:15 - 5:00	Demonstrations and Activities	

