Friday, June 13, 2014
Moderator: Hugh Hammer

AQUAPONICS 101
Teaching with Tilapia and Tomatoes

June 9-13, 2014

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

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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