

Growing Fish in Recirculating Systems K12 Teacher Workshop

June 5 - 9, 2006

Monday, June 5, 2006

Moderator: Hugh Hammer

8:30 - 9:00	Coffee and Pastries	
9:00 - 9:10	Welcome and Introduction of Participants	Hugh Hammer
9:10 - 9:30	Teacher Pre-test	David Cline
9:30 - 10:00	Aquaculture in the World, US, and Alabama	Hugh Hammer
10:00 - 10:15	BREAK	
10:15 - 11:00	Recirculating Systems Components and Functions	David Cline
11:00 - 12:00	Sizing the Biofilter	Claude Reeves
12:00 - 1:00	LUNCH GSCC CAFETERIA	
1:00 - 1:15	Teacher Lesson Plan Introduction	David Cline
1:15 - 1:45	Teacher Brainstorm Session on System Design	David Cline
1:45 - 2:30	Building Recirculating Systems from Scratch	Hugh Hammer
2:30 - 2:45	BREAK	
2:45 - 4:00	System Assembly	Team Leaders
4:00	Optional GSCC AEDC Facility Tour	Hugh Hammer

6, 2006

Tuesday, June

Moderator: David Cline

8:30 - 9:00	Coffee and Pastries	
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 GSCC CAFETERIA	
1:00 - 2:00 2:00-2:30	Pond Water Quality Hands On Pond Interpretation	Hugh Hammer
2:30 - 2:45	BREAK	
2:45 - 4:00	System Assembly Continued	Team Leaders

Wednesday, June 7, 2006

Moderator: PJ Waters

8:30 - 9:00	Coffee and Pastries	
9:00 - 10:00	K12 Aquaculture Programs in AL	PJ Waters
10:00 - 11:00	Fish Biology and the AL Course of Study	Hugh Hammer
11:00 - 11:15	BREAK	
11:15 - 12:00	Teachers Lesson Plan Design	David Cline
12:00 - 1:00	LUNCH GSCC CAFETERIA	
1:00 - 1:30	Teacher Brainstorm Session on Hydroponics	David Cline
1:30 - 2:30	Addition of Hydroponics component to Teacher System	Hugh Hammer
2:30 - 2:45	BREAK	
2:45 - 4:00	Claude's Seining Lesson	Claude Reeves

Thursday,
June 8, 2006

Moderator: Claude Reeves

8:30 - 9:00	Coffee and Pastries	
9:00 - 10:00	Fish Health, Stress, and Disease	Bill Hemstreet
10:00 - 10:15	BREAK	
10:15 - 12:00	Catfish and Tilapia Dissection	Bill Hemstreet
12:00 - 1:00	LUNCH GSCC CAFETERIA	
1:00 - 2:30	Introduction to Hydroponics/Aquaponics	Terry Youngblood
2:30 - 2:45	BREAK	
2:45 - 4:00	Hydroponics Demonstrations Outside	Terry Youngblood

Friday, June 9, 2006

Moderator: David Cline

8:30 - 9:00	Coffee and Pastries	
9:00 - 9:45	Reproduction in Tilapia	PJ Waters
9:45-10:45	Teacher Lesson Plan Presentations	Teachers
10:45 - 11:00	BREAK	
11:00 - 11:30	Teacher Post –Test	David Cline
11:30 - 12:00	Workshop Evaluations	Hugh Hammer
12:00 - 12:15	Awards Ceremony	
12:15 - 3:00	Fish Fry Celebration and Adjournment	