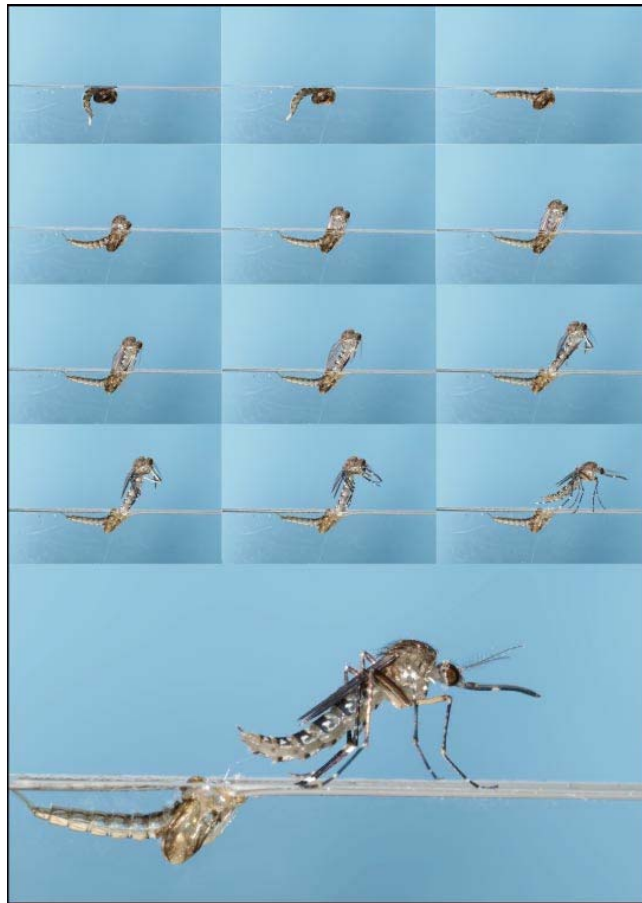


*Florida Mosquito Control Association's  
2004 Dodd Plenary Short Courses  
January 26 - January 30  
\* Celebrating 20 Years of Dodd \*  
1984-2004*



*Paramount Hotel Gainesville  
2900 SW 13th Street (US 441)  
Gainesville, Florida 32608  
352.377.4000*

## General Information

**REGISTRATION:** Registration for courses can only be made by mail or fax using checks or purchase order numbers. Telephone registrations and cash will not be accepted. You may reserve a space in a course by **sending in the registration form by December 15<sup>th</sup>** without payment and then **send payment by December 31, 2003**. **Unpaid reservations will not be held beyond December 31<sup>st</sup> if there is a waiting list for the course.** Please use a separate registration form (photocopies are fine) for each student (please type or print name legibly - especially how the name is to be spelled on the certificate). Address questions regarding registration to Shelly Redovan, FMCA Executive Director, phone: 239.694.2174; fax: 239.433.5684; email: redovan@lcmcd.org.

**DEADLINE FOR REGISTRATIONS:** Courses will be filled on a first-come, first-served basis. Note that some courses have limits on the number of students from a single agency (see individual course listings). **Registration deadline: December 31, 2003.**

**TUITION PAYMENT:** Please make checks and POs payable to FLORIDA MOSQUITO CONTROL ASSOCIATION and send to FMCA Dodd Short Courses, PO Box 60837, Fort Myers, FL 33906. No refunds will be made after January 12, 2004. You may send in one check or PO to cover more than one person as long as the names of the students covered by the payment are identified on the check or PO.

**HOTEL RESERVATIONS AND PAYMENT:** Most courses will be held at the Paramount Hotel (formerly the Sheraton) Gainesville, 2900 SW 13th Street (US 441), 32608, 352.377.4000. The FMCA has reserved a block of rooms at **\$84** per night, single, double, triple or quadruple, if reservations are made **before January 12, 2004**. You must bring or fax your agency's tax-exempt number (having the number written down will not be accepted).

## Glennon David Dodd, 1948-1991

Glenn Dodd was, for 10 of the 15 years that he was in mosquito control, the Assistant Director of Indian River Mosquito Control



District, in Vero Beach, Florida. To those who knew him well, and for those who did not know him, he was much more than an assistant director. He was the spiritual leader for mosquito control in the mosquito control profession. He was the first to recognize that mosquito control had to get into the employee training business. Glenn was the force that got it started. He called upon his substantial intellect, his colleagues, especially Jim Robinson of Pasco County Mosquito Control District and Bill Opp, then with HRS/DACS and

now with Lee County Mosquito Control District, his other friends and his future friends to organize and present several “courses” in Vero Beach during the fall of 1984.

The six courses taught that year were more appropriately called group discussions and they were about a variety of topics of interest to mosquito control such as surveillance, larvicides, adulticides, application equipment and computers. The participants were principally the directors and biologists of Florida programs who sat around in a semicircle in various locations and “talked about things.”

What started as a simple idea has blossomed into one of the largest and, arguably, the best sets of training courses for mosquito control in the world today. This year over 30 courses are offered, from a half-day to several days in length. Each year, those of us on the Dodd Short Course Committee ask ourselves if Glenn would

be pleased with what we are doing in his name. We think Glenn would be proud of this year's offerings.

Naming the courses for Glenn, after his sudden and tragic death in 1991, was not simply a gesture of thanks and recognition of Glenn's contributions. His name became a constant reminder to us of the high ideals that Glenn personified. We hope you find that the 2004 Dodd Short Courses described in this brochure meet your training needs and expectations.

This year, the FMCA Board of Directors decided to rename the lunch time "Food for Thought" series after Jim Robinson - the man whose idea it was to have a lunch series. Jim's idea originated when he realized that he, like all the other volunteer instructors and coordinators, was so busy teaching at the Short Courses that he was unable to attend any of the classes. Jim approached the Short Course Committee and asked why classes couldn't be offered during lunch time for the instructors. It is with great pleasure that Dodd is now able to offer the "Jim Robinson Seminar Series." The Dodd Short Course Committee always is looking for ideas for new courses and for enthusiastic and hard-working course coordinators and instructors to participate. If you have an idea or want to become more involved in the Dodd Short Courses, please contact any of the following Committee members:

Kellie Etherson, Co-Chair	Tom Loyless
Dr. Eric Schreiber, Co-Chair	Dennis Moore
Sue Bartlett	Dr. George O'Meara
Janice Broda	Dr. Jack Petersen
Dr. Jim Cilek	Shelly Redovan
Dr. David Dame	Jim Robinson
Kim Feagley	Dr. Roxanne Rutledge-Connelly
Tom Floore	Stephen Sickerman
Gerry Hutney	Doug Wassmer
Mark Latham	

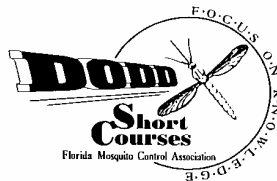
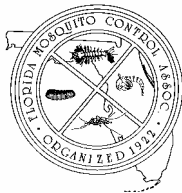
## CEU Information

CEUs have been awarded to each course by DACS. You can find out how many CEUs will be given for each class by looking on the course description page, on the top of the class roster when beginning your class, or by looking on the certificate that you will be awarded at the end of each class. Most of the CEUs have been awarded to the Public Health Pest Control category. If you have any questions about the category or number of CEUs please call DACS. Remember—you are responsible for tracking your own CEUs.

There are sign-in rosters for each class that will list each student's name who registered for the class. The student's name on the roster must be signed or initialed by the student. There are sign-in rosters for each class. Please be sure that you sign all class rosters and indicate whether or not you have a license. The rosters are turned in to DACS who awards CEUs based on full attendance.

## CEU Disclaimer Statement from DACS

Full credit for a class will be awarded only if the class has been attended in its entirety. That is, if you leave the class early, you won't get credit for the class. If you feel a particular class may be too long or you may have to leave early, sign up for a shorter class or forgo the credits.



# Course A

## Introduction to Mosquito Control - 1A

**INTENDED AUDIENCE:** New employees of all classifications.

**STUDENT PREREQUISITES:** An understanding from the student's supervisor that each student both needs and desires to take this class.

**COURSE DESCRIPTION:** A general introduction to mosquito control as performed in Florida. A wide-variety of topics will be discussed, including mosquito biology, identification, control techniques, surveillance techniques, classification of pesticides, pesticide safety, calibration and calculations. This class is not required to take the Core and PHPC certification examinations.

**CLASS LIMIT: 40.** Students that have not taken the course before will be given preference over students who have.

**DATES & TIMES:** Monday, January 26, 1:30 pm through Thursday, January 29, 5:00 pm.

**COST:** \$250 (which includes the Florida Mosquito Control Handbook and the Core and PHPC certification manuals).

**CEUs:** 16 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Dennis Moore**, Lee County Mosquito Control District, Fort Myers, FL, phone: 239.694.2174, fax: 239.693.5011, email: moore@lcmcd.org or **Dr. Eric Schreiber**, Sarasota County Mosquito Management Services, Sarasota, FL, phone: 941.316.1247, fax: 941.316.1265, email: eschreib@co.sarasota.fl.us.

# **Course B**

## **Introduction to Mosquito Control - IB**

**INTENDED AUDIENCE:** New employees of all classifications.

**STUDENT PREREQUISITES:** An understanding from the student's supervisor that each student both needs and desires to take this class.

**COURSE DESCRIPTION:** A general introduction to mosquito control as performed in Florida. A wide-variety of topics will be discussed, including mosquito biology, identification, control techniques, surveillance techniques, classification of pesticides, pesticide safety, calibration and calculations. This class is not required to take the Core and PHPC certification examinations.

**CLASS LIMIT: 40.** Students that have not taken the course before will be given preference over students who have.

**DATES & TIMES:** Monday, January 26, 1:30 pm through Thursday, January 29, 5:00 pm.

**COST:** \$250 (which includes the Florida Mosquito Control Handbook and the Core and PHPC certification manuals).

**CEUs:** 16 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Jonas Stewart** at East Volusia Mosquito Control District, Daytona Beach, FL, phone: 904.239.6516, fax: 904.239.6518, email: [jstewart@co.volusia.fl.us](mailto:jstewart@co.volusia.fl.us) and **Bob Betts** or **John Boone** at Anastasia Mosquito Control District, St. Augustine, FL, phone: 904.471.3107, fax: 904.471.3189, email: [bobtonibetts@juno.com](mailto:bobtonibetts@juno.com).

# Course C

## Commissioner's Caucus

**INTENDED AUDIENCE:** Those who currently are a mosquito control agency commissioner.

**STUDENT PREREQUISITES:** None.

**COURSE DESCRIPTION:** This course will present topics of interest to commissioners. These topics may include, but will not be limited to mosquito control and natural resource protection agencies, employee issues, employee manuals, commissioner manuals, working with the media, budget analysis, the sunshine law, organizational issues, West Nile Virus updates and insurance issues. There will be a joint discussion with the Director's Caucus in the afternoon.

**CLASS LIMIT:** None.

**DATE & TIMES:** Tuesday, January 27, 8:00 am - 5:00 pm.

**COST:** \$70.

**CEUs:** 6 for Public Health.

**LUNCH:** Will not be provided, please check at the registration desk for recommendations.

**FOR ADDITIONAL INFORMATION:** Contact  
**Commissioner Janice Broda**, Indian River Mosquito Control District, Vero Beach, FL, 561.562.2393, fax: 561.562.9619, email: [jcb@mail.ifas.ufl.edu](mailto:jcb@mail.ifas.ufl.edu).

# Course D

## Director's Caucus

**INTENDED AUDIENCE:** Directors, assistant directors, administrators and senior staff.

**STUDENT PREREQUISITES:** None.

**COURSE DESCRIPTION:** This course will be a discussion of current issues that are impacting mosquito control in Florida. The course will continue on with the loose format that allows a free interchange of ideas. Please bring your problems and questions. An informational survey may be sent out to all registrants prior to the course.

**CLASS LIMIT:** None.

**DATE & TIMES:** Tuesday, January 27, 8:00 am - 5:00 pm.

**COST:** \$70.

**CEUs:** 6 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Doug Carlson** or **John Beidler**, Indian River Mosquito Control District, Vero Beach, FL, phone: 561.562.393, fax: 561.562.9619, email: dcarlson1@hotmail.com.

# Course E

## Identification of the Adult Mosquitoes of Florida

**INTENDED AUDIENCE:** Those whose main job responsibility it is to identify adult mosquitoes, those who perform surveillance work, or those whose job will be enhanced by the knowledge of being able to identify adult mosquitoes.

**STUDENT PREREQUISITES:** None, although some basic knowledge of mosquito identification would be helpful. Students should bring a microscope, preferably the one that will be used by them at their district to perform identification work.

**COURSE DESCRIPTION:** This course reviews the morphology of the adult mosquito, the recognition of the genera which occur in Florida and the identification of Florida's mosquito species, using the keys in the "Keys to the Adult Females and Fourth Instar Larvae of the Mosquitoes of Florida" by Darsie and Morris, 1998.

**CLASS LIMIT:** 20, with no more than 2 from any one program.

**DATE & TIMES:** Monday, January 26, 1:30 pm – 5:00 pm.  
Tuesday, January 27, 8:00 am – 5:00 pm.  
Wednesday, January 28, 8:00 am – 11:30. am.

**COST:** \$175, includes the revised edition of the Darsie & Morris Florida Mosquito Key.

**CEUs:** 12 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Dr. Richard Darsie**, Florida Medical Entomology Laboratory, University of Florida, Vero Beach, FL, phone: 561.778.7200, fax: 561.778.7205, email: rfd@mail.ifas.ufl.edu.

# Course F

## Identification of the Larval Mosquitoes of Florida

**INTENDED AUDIENCE:** Those whose main job responsibility it is to identify larval mosquitoes, those who perform surveillance work, or those whose job will be enhanced by the knowledge of being able to identify larval mosquitoes.

**STUDENT PREREQUISITES:** None, although some basic knowledge of mosquito identification would be helpful. Students MUST bring a microscope, preferably the one that will be used by them at their district to perform identification work.

**COURSE DESCRIPTION:** This course reviews the morphology of the larval mosquito, the recognition of the genera which occur in Florida and the identification of Florida's mosquito species, using the keys in the "Keys to the Adult Females and Fourth Instar Larvae of the Mosquitoes of Florida" by Darsie and Morris, 1998.

**CLASS LIMIT:** 20, with no more than 2 from any one program.

**DATE & TIMES:** Wednesday, January 28, 1:30 pm – 5:00 pm.  
Thursday, January 29, 8:00 am – 5:00 pm.  
Friday, January 30, 8:00 am – 11:30. am.

**COST:** \$175, includes the revised edition of the Darsie & Morris Florida Mosquito Key.

**CEUs:** 12 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Dr. Richard Darsie**, Florida Medical Entomology Laboratory, University of Florida, Vero Beach, FL, phone: 561.778.7200, fax: 561.778.7205, email: rfd@mail.ifas.ufl.edu.

# Course G

## Interpreting Pesticide Labels

**INTENDED AUDIENCE:** Open.

**STUDENT PREREQUISITES:** None.

**COURSE DESCRIPTION:** Carlton Layne, former EPA District IV (Atlanta) representative, will present this course. Topics to be discussed include what label statements really mean (using mosquito control products) and how to interpret them. There will be time for questions and answers at the end of the class.

This class will combine with both Introduction to Mosquito Control – A1 and Introduction to Mosquito Control – BI classes on Tuesday morning.

**CLASS LIMIT:** None.

**DATES & TIMES:** Tuesday, January 27 8:00 am - 11:30 am.

**COST:** \$60.

**CEUs:** 3 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Stephen Sickerman**, Bureau of Entomology & Pest Control, Florida Department of Agriculture & Consumer Services (DACCS), Panama City, FL,  
phone: 850.872.4250, fax: 850.872.4271,  
email: sickers@doacs.state.fl.us.

# Course H

## New Technologies in Mosquito Control

**INTENDED AUDIENCE:** Anyone interested in learning about new technologies used in the mosquito control industry.

**STUDENT PREREQUISITES:** Student must be associated with an active mosquito control program.

**COURSE DESCRIPTION:** The new technologies for mosquito control forum will offer an opportunity for manufacturers and distributors of mosquito control products and equipment to discuss the most current and new advances in mosquito control technology.

**CLASS LIMIT:** None.

**DATES & TIMES:** Thursday, January 29, 8:00 am – 11:30 am.

**COST:** \$40.

**CEUs:** 3 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Bill Reynolds** or **Derek Wright**, ADAPCO, Inc., Sanford, FL, phone: 800.367.0659, fax: 407.330.9888; email: breynolds@e-adapco.com or dwright@e-adapco.com.

# Course I

## Crash Course for People New to the Field

**INTENDED AUDIENCE:** This course is intended for mosquito control program administrators and office personnel who wish to understand the basics of mosquito control.

**STUDENT PREREQUISITES:** None.

**COURSE DESCRIPTION:** This class will present an overview for people new to the field of mosquito control. It is intended as an introduction for employees and others who haven't had a science class in a while. Participants will learn about the life cycle and biology of mosquitoes, review the most important diseases mosquitoes vector, discuss various methods of mosquito control and ongoing research. Students will participate in lectures, discussions, and labs.

**CLASS LIMIT:** 35.

**DATES & TIMES:** Wednesday, January 28, 8:00 am - 5:00 pm.

**COST:** \$70.

**CEUs:** 6 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Neil Wilkinson**, Environmental Education Liaison and Instructor, College of Arts and Sciences, Florida Gulf Coast University, Ft. Myers, FL, phone: 239.275.3033, email: [nwilkins@fgcu.edu](mailto:nwilkins@fgcu.edu) or **Brian Murphy**, Lee County Mosquito Control District, phone: 239.275.3033, fax: 239.275.0455, email: [BrianM4@lee.k12.fl.us](mailto:BrianM4@lee.k12.fl.us).

## Course J

### Biology & Identification of Medically Important Ticks

**INTENDED AUDIENCE:** Open.

**STUDENT PREREQUISITES:** None.

**COURSE DESCRIPTION:** This course will provide a basic understanding of tick biology, surveillance, identification of common species, and diseases they may transmit.

**CLASS LIMIT:** 25, with no more than 2 from any one program.

**DATES & TIMES:** Tuesday, January 27, 8:00 am - 5:00 pm.

**COST:** \$70.

**CEUs:** 6 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Dr. Jim Cilek**, John A. Mulrennan, Sr. Public Health Entomology Research and Education Center (PHEREC), Florida A & M University, Panama City Florida, phone: 850.872.4184, fax: 850.872.4733, email: cilek\_j@popmail.firn.edu or **Tom Loyless**, Florida Department of Agriculture & Consumer Services (DACS), Bureau of Entomology & Pest Control, Tallahassee, FL, phone: 850.922.7011, fax: 850.413.7044, email: loylest@doacs.state.fl.us.

# Course K

## Jim Robinson Seminar Series

**INTENDED AUDIENCE:** Open.

**STUDENT PREREQUISITES:** None.

**COURSE DESCRIPTION:** This is a continuation of the noon lecture series.

**K1 Public Health Pesticides – Carlton Layne**, CRL Enterprises, Atlanta, Georgia. Pesticide management in mosquito control and public health requires continual oversight and regulation by authorized state and federal agencies. Issues of implementation, interpretation, and enforcement will be discussed.

**K2 Origins of Mosquito Control in Florida – Dr. Gordon Patterson**, Professor of Humanities, Florida Institute of Technology, Department of Humanities and Communication, Melbourne, FL. Florida has a rich history in public health entomology and surveillance and control of arthropod-borne diseases. Florida's leadership in devising and initiating techniques to protect its residents and visitors from vectors and other blood-sucking pests will be discussed.

**CLASS LIMIT:** None.

**DATE & TIMES:**

M1 – Tuesday, January 27, 11:45 pm – 1:00 pm.

M2 – Wednesday, January 28, 11:45 pm – 1:00 pm.

**COST:** \$30 each.

**CEUs:** 1 each for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Dr. David Dame**, Entomological Services, Gainesville, FL, phone: 352.378.7151, fax: 352.374.6886, email: dadame@nersp.nerdc.ufl.edu.

# Course L

## Tearing Up & Modifying Traps

**INTENDED AUDIENCE:** Novice to professional.

**STUDENT PREREQUISITES:** None.

**COURSE DESCRIPTION:** This is a “hands-on,” show and tell class for people who work with surveillance traps and want to make them more efficient or are interested in using surveillance equipment. During the class we will be sharing modifications to commercial traps as well as the design and construction of homemade traps. Class participants should bring surveillance traps and equipment (or pictures of equipment) that they have modified or improved and would like to share.

**CLASS LIMIT:** 30.

**DATES & TIMES:** Thursday, January 29, 8:00 am - 5:00 pm.

**COST:** \$70.

**CEUs:** 6 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Dr. Jeff Stivers** or **Marin Brouillard**, Collier Mosquito Control District, Naples, FL, phone: 239.436.1000, fax: 239.436.1005, email: Jeff@cmcd.org or Marin@cmcd.org.

# Course M

## VCMS Training for Beginner/Intermediate

**INTENDED AUDIENCE:** Personnel involved with data collection and tracking for mosquito control.

**STUDENT PREREQUISITES:** Knowledge of basic computer operations. There is no need for district personnel to bring computers as the classes will be conducted at a computer training facility.

**COURSE DESCRIPTION:** Students will be provided with basic knowledge and skills utilized in the Vector Control Management Systems (VCMS) software program. Instruction will include but will not be limited to installation, parameter set-up, data input, reporting, and mapping with regard to desktop VCMS and mobile VCMS. This course transitions to Course N and Course O.

**COMPUTERS WILL BE PROVIDED.**

**CLASS LIMIT: 18**, no more than 3 from any one program.

**DATES & TIMES:** Tuesday, January 27, 8:00 am - 5:00 pm.

**COST:** \$70.

**CEUs:** 6 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Angela Weeks-Samanie**, Florida Department of Agriculture & Consumer Services (DACCS), Bureau of Entomology & Pest Control, Tallahassee, FL, phone: 850.922.7011, fax: 850.413.7044, email: [weeksa@doacs.state.fl.us](mailto:weeksa@doacs.state.fl.us).

# **Courses N1 & N2**

## **VCMS - Trapping, Palm & GIS**

**INTENDED AUDIENCE:** Personnel involved with data input for a mosquito control program.

**STUDENT PREREQUISITES:** Students should already be familiar with VCMS or should already have taken a VCMS training class.

**COURSE DESCRIPTION N1:** This course is a hands-on workshop that will cover the expanded use of roles, trapping elements, troubleshooting, data backup, access and permissions for administering VCMS, count station reports, area summaries, mosquito inspections, log of work and log of pesticides, inspections, treatments and multiple treatment entry on the Palm OS, GPS locations, setting up GISIK, managing GIS data and using map layers and saving datasets. This course transitions from Course M and to Course O.

**COMPUTERS WILL BE PROVIDED.**

**Course N2 - FMCA User's Group meeting, Wednesday, January 28, 7:00 pm - 9:00 pm, at the hotel - check at the registration desk for information. This course is free and snacks will be provided.**

**CLASS LIMIT: 18, no more than 3 from any one program.**

**DATES & TIMES:** Wednesday, January 28, 8:00 am - 5:00 pm.

**COST:** \$70.

**CEUs:** 6 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Ralph DePalma**, Florida Keys Mosquito Control District, Key West, FL, phone: 305.292.7190, fax: 305.292.7199, email: [rdepalma@keysmosquito.org](mailto:rdepalma@keysmosquito.org) or **Nancy Page**, Pinellas County Mosquito Control, Clearwater, FL, phone: 727.464.7710, fax: 727.464.7704, email: [npage@co.pinellas.fl.us](mailto:npage@co.pinellas.fl.us).

# Course O

## VCMS Advanced

**INTENDED AUDIENCE:** Personnel involved with data collection and tracking for mosquito control.

**STUDENT PREREQUISITES:** Completion of “Vector Control Management Systems Beginner/Intermediate Course” or any prior VCMS course.

**COURSE DESCRIPTION:** Students will be provided with more in-depth knowledge and skills utilized in the Vector Control Management Systems (VCMS) software program. Instruction will include but will not be limited to installation, parameter set-up, data input, reporting, and mapping with regard to desktop VCMS and mobile VCMS. This course transitions from Course M and Course N. **COMPUTERS WILL BE PROVIDED.**

**CLASS LIMIT:** 18, no more than 3 from any one program.

**DATES & TIMES:** Thursday, January 29, 8:00 am – 5:00 pm.

**COST:** \$70.

**CEUs:** 6 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Angela Weeks-Samanie**, Florida Department of Agriculture & Consumer Services (DACS), Bureau of Entomology & Pest Control, Tallahassee, FL, phone: 850.922.4250, ext. 106, fax: 850.413.7044, email: [weeksa@doacs.state.fl.us](mailto:weeksa@doacs.state.fl.us).

# Course P

## Medical Entomology

**INTENDED AUDIENCE:** Open.

**STUDENT PREREQUISITES:** Completion of “Introduction to Mosquito Control – The Full Course.”

**COURSE DESCRIPTION:** Student teams will be provided with “case studies” in medical entomology to solve by the end of the day. The class will develop a protocol for determining which insects are involved in the cases. Brief lectures and hands-on activities will provide information on a variety of medically important arthropods that will assist students in solving their case.

**CLASS LIMIT:** 30.

**DATES & TIMES:** Wednesday, January 28, 8:00 am – 5:00 pm.

**COST:** \$70.

**CEUs:** 6 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Dr. Roxanne Rutledge-Connelly** or **Dr. Jonathon Day**, Florida Medical Entomology Laboratory, Vero Beach, FL, phone: 772.778.7200, fax: 772.778.7204, email: [crr@mail.ifas.ufl.edu](mailto:crr@mail.ifas.ufl.edu) or [jfda@mail.ifas.ufl.edu](mailto:jfda@mail.ifas.ufl.edu).

# Course Q

## Arbovirus Surveillance from A-Z

**INTENDED AUDIENCE:** Those interested in or wishing to set up an arbovirus program.

**STUDENT PREREQUISITES:** None.

**COURSE DESCRIPTION:** This class will cover and try to convey all aspects of arbovirus surveillance. Topics to be covered include trapping mosquitoes in the field and what happens to them in the lab and placement of sentinel chicken flocks and what happens in the lab with the blood sample. Class work will include setting up traps, bleeding chickens and performing a RT-PCR run. This is arbovirus surveillance in plain talk - without the mystery.

**CLASS LIMIT:** 24.

**DATES & TIMES:** Monday, January 26, 1:30 pm - 5:00 pm.

**COST:** \$40.

**CEUs:** 3 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact: **Jim Burgess**, Lee County Mosquito Control District, Fort Myers, FL, phone: 239.694.2174, fax: 239.693.5011, email: [burgess@lcmcd.org](mailto:burgess@lcmcd.org).

# Course R

## History of Mosquito Control

**INTENDED AUDIENCE:** Any person interested in the history of mosquito control.

**STUDENT PREREQUISITES:** None.

**COURSE DESCRIPTION:** There will be a brief overview of Florida's War Against Mosquitoes Part I, mosquito control in Florida since 1889, including Florida's legislature authorizing the formation of the State Board of Health in response to the ravages of a yellow fever epidemic in Jacksonville, and Florida's War Against Mosquitoes Part II, mosquito control in Florida during 1950-2000, including the Pensacola yellow fever epidemic, the Perry project, the formation of FAMA, establishing independent mosquito control districts, mosquito control during the depression, WWII, the pesticide revolution, Rachel Carson and the rise of the environmental movement and mosquito control in the 21st century. Emphasis will be placed on the golden age of mosquito control.

**CLASS LIMIT:** 35, no more than 3 from any one program.

**DATES & TIMES:** Monday, January 26, 1:30 pm - 5:00 pm.

**COST:** \$40.

**CEUs:** 3 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Dr. Gordon Patterson**, Florida Institute of Technology, Melbourne, FL, phone: 321.674.8082, fax: 321.674.8109, email: patterson@fit.edu.

# Course S

## Basics of Epidemiology

**INTENDED AUDIENCE:** Open.

**STUDENT PREREQUISITES:** None.

**COURSE DESCRIPTION:** This course will cover the principles of epidemiology and human and animal disease surveillance. The epidemiology of mosquito-borne diseases in Florida will be discussed in particular detail. The participants will also learn how to set up a sentinel chicken surveillance program, bleed a chicken, submit specimens, and interpret antibody results from the Tampa laboratory. There will be a question and answer period at the end of the class.

**CLASS LIMIT:** None.

**DATES & TIMES:** Thursday, January 29, 8:00 am - 5:00 pm.

**COST:** \$70.

**CEUs:** 6 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Dr. Carina Blackmore**, DVM, PhD, State of Florida Department of Health, Tampa, FL, phone: 850.245.4299, email: [Carina\\_Blackmore@doh.state.fl.us](mailto:Carina_Blackmore@doh.state.fl.us).

# Course T

## Field Efficacy Evaluation

**INTENDED AUDIENCE:** Technical and professional level mosquito control personnel.

**STUDENT PREREQUISITES:** Students should have experience in field determination of efficacy of aerial application of pesticides.

**COURSE DESCRIPTION:** When mosquito control operations fail: Was it you or was it the mosquitoes? This course will focus on evaluation of field efficacy, including: droplet analysis, drift, field bioassays, and measuring insecticide resistance. The instruction will be interactive. Come prepared to perform bioassays!

**CLASS LIMIT:** 20, no more than 2 from any one program.

**DATES & TIMES:** Thursday, January 29, 8:00 am - 5:00 pm.

**COST:** \$70.

**CEUs:** 6 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Dr. Jack Petersen**, PHEREC, Florida A & M University, phone: 850.872.4184, fax: 850.872.4733, email: dtjack3@hotmail.com or **Dr. Jane A.S. Barber**, PHEREC, Florida A & M University, phone: 850.872.4184, fax: 850.872.4733, email: jasbarber@knology.net.

# Course U

## General Arthropods

**INTENDED AUDIENCE:** Open.

**STUDENT PREREQUISITES:** None.

**COURSE DESCRIPTION:** Students will be introduced to the arthropods of public health importance in Florida and the diseases they transmit or cause. This course covers arthropods that are commonly encountered in public health, including mosquitoes, ticks, lice, fleas, venomous spiders, and many others.

**CLASS LIMIT:** None.

**DATES & TIMES:** Monday, January 26 1:30 pm - 5:00 pm.

**COST:** \$40.

**CEUs:** 3 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Jennifer Simpson**, Florida Department of Agriculture & Consumer Services (DACS), Bureau of Entomology & Pest Control, Tallahassee, FL, phone: 850.922.7011, ext. 103, fax: 850.413.7044, email:simpsoj@doacs.state.fl.us.

## Courses V1 & V2

### V1 - Chemical Spill Response Training Haz Mat Operations/OSHA Level II & Annual Refresher Training for Haz Mat Technician/OSHA Level III

### V2 - Haz Mat Level III Chemical Spill Response Training

**INTENDED AUDIENCE:** Open.

**STUDENT PREREQUISITES:** None, but V1 will provide the required refresher training and hours to maintain Levels II & III OSHA certification for those students already certified, V2 is the Hazardous Materials Level III Chemical Spill Response class.

**COURSE DESCRIPTION V1:** This course will prepare students to respond to an emergency. This training satisfies the OSHA requirements for emergency responders. Included in the 8 hours of training for Hazardous Materials Operations/OSHA Level II is spill response procedures, decontamination, personal protective equipment selection and use, chemical terminology, respiratory protection, chemical storage and handling, and more. This class also serves as an annual refresher training course for Hazardous Materials Technician/OSHA Level III responders.

**CLASS LIMIT:** 30.

**DATES & TIMES:** Tuesday, January 27, 8:00 am - 5:00 pm.

**COST:** \$160.

**CEUs:** 6 for Public Health, 8 for those that have a restricted use pesticide license.

**COURSE DESCRIPTION V2:** This course will provide spill response procedures, decontamination, PPE selection and use, chemical storage and handling, and more. This level of training is targeted to employees that will take an aggressive response to a chemical release, including patching leaking containers and pipes, and more complicated responses such as those encountered at industrial settings. Additionally, students are provided hands-on experience by responding to a fully staged chemical release, including the use of self-contained breathing apparatus (SCBA). Do not register separately for course V1, it is included in course V2.

**CLASS LIMIT:** 30, minimum of 10 students required. **CEUs:** 16 for Public Health.

**DATES & TIMES:** Tuesday, January 27, 8:00 am - 5:00 pm.

Wednesday, January 28, 8:00 am - 5:00 pm.

Thursday, January 29, 8:00 am - 5:00 pm.

**COST:** \$400.00, includes textbooks, DOT emergency response handbook, handout materials, and use of all SCBAs and other response equipment. Laminated wallet cards, certificate of training, and CEU forms will be provided after the course.

**FOR ADDITIONAL INFORMATION:** Contact **Chris Pappas**, Environmental, Health & Safety Manager, UAP, phone: 863.287.5957, fax: 863.326.6780, email: papnole@aol.com.

# Course W

## DACS Administrative Reporting

**INTENDED AUDIENCE:** Personnel from any state approved mosquito control program.

**STUDENT PREREQUISITES:** None, but knowledge of the report form would be helpful.

**COURSE DESCRIPTION:** Instructions will be provided for completing the mandatory state reports and a review of the governing statutes and administrative codes for all state approved mosquito control programs will be provided. There will be time for a Q & A period.

**CLASS LIMIT:** None.

**DATES & TIMES:** Monday, January 26, 1:30 pm - 5:00 pm.

**COST:** \$40.

**CEUs:** 3 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Angela Weeks-Samanie**, Florida Department of Agriculture & Consumer Services (DACS),  
Bureau of Entomology & Pest Control, Tallahassee, FL,  
phone: 850.922.4250, ext. 106, fax: 850.413.7044,  
email: [weeksa@doacs.state.fl.us](mailto:weeksa@doacs.state.fl.us).

# Course X

## Age-Grading of Adult Female Mosquitoes

**INTENDED AUDIENCE:** Those individuals that collect surveillance information for making vector control decisions.

**STUDENT PREREQUISITES:** Students must be experienced in mosquito identification. Each student is required to provide for his/her own use in the course (1) a stereo (I.e. “dissecting”) microscope and illuminator, capable of providing magnifications that include the 10-20X range; (2) a compound microscope and brightfield illuminator, capable of providing magnifications that include 100-200X range; and (3) a simple calculator; one or two pairs of sharp jeweler’s forceps. By bringing their own equipment, students will have the opportunity for the instructor to assist in adjustment of their microscope for the proper visualization or age-grading characteristics.

**COURSE DESCRIPTION:** This course will introduce mosquito population age-grading concepts and methods (including simple dissection techniques). Interpretation of data, and its application to vector control scenarios also will be discussed.

**CLASS LIMIT: 8.**

**DATES & TIMES:** Tuesday, January 27, 8:00 am - 5:00 pm.

**COST:** \$70.

**CEUs:** 6 for Public Health.

**FOR ADDITIONAL INFORMATION:** Contact **Dr. Don Shroyer**, Indian River Mosquito Control District, phone: 772.562.2393, fax: 772.562.9619, email: dshroyer49@yahoo.com.

# Course Y

## Certification Exam Reviews & Exams

**INTENDED AUDIENCE:** Those wishing to review and take the Core and Public Health Pest Control applicator's certification examinations.

**STUDENT PREREQUISITES:** None.

**COURSE DESCRIPTION:**

- Y1: Review for the Core exam (Wed. night).
- Y2: Review for the Public Health exam (Thurs. night).
- Y3: Core exam.
- Y4: Public Health exam.
- Y5: Aquatic Plant Control exam.
- Y6: Aerial exam.
- Y7: Director's exam.

**CLASS LIMIT:** None.

**DATES & TIMES:**

- Y1: Wednesday, January 28, 7:00 pm – 9:00 pm.
- Y2: Thursday, January 29, 7:00 pm – 9:00 pm.
- Y3-Y7: Friday, January 30, 8:00 am – 12:00 pm.

**COST:** None.

**FOR ADDITIONAL INFORMATION:** Contact: **Tom Loyless** or **Jennifer Simpson**, Florida Department of Agriculture and Consumer Services (DACS), Bureau of Entomology & Pest Control, Tallahassee, FL, phone: 850.922.7011, fax: 850.413.7044, email: loylest@doacs.state.fl.us or simpsoj@doacs.state.fl.us.

## Available Publications

**FLORIDA MOSQUITO CONTROL HANDBOOK:** This is a 3” ring binder containing chapters on all aspects of mosquito control in Florida. **\$65.**

**KEYS TO THE MOSQUITOES OF FLORIDA:** by Darsie and Morris. 1998: Illustrated dichotomous keys to the 4th instar larvae and adult female mosquitoes found in Florida. **\$15.** Revised **\$22.**

**REVISED ILLUSTRATED KEYS TO THE MOSQUITOES OF FLORIDA:** by Breeland and Loyless: Wheel keys to the 4th instar larvae and adult female mosquitoes found in Florida. **\$10.**

**CORE EXAM MANUAL:** Applying Pesticides Correctly, A Guide for Private and Commercial Applicators. **\$7.**

**PUBLIC HEALTH PEST CONTROL EXAM MANUAL:** The Public Health Pest Control Applicator Training Manual. This is a **free** publication, but please indicate that you want a copy on the Registration Form.

**AERIAL EXAM MANUAL:** The Aerial Applicators Training Manual. **\$15.**

**AQUATIC PEST CONTROL MANUAL:** by K.A. Langeland: Applicator training manual for aquatic pest control. **\$15.**

**FLORIDA MOSQUITO CONTROL, 1997:** A white paper on the state of the mission as defined by mosquito controllers, regulators and environmental managers produced by the Florida Coordinating Council on Mosquito Control. **Free**, but copies are extremely limited and will be filled, if possible.

\* Cover artwork courtesy of James Newman, UF, IFAS, Florida Medical Entomology Laboratory, Vero Beach, FL, email: [jnewman@mail.ifas.ufl.edu](mailto:jnewman@mail.ifas.ufl.edu).

# Course List

Introduction to Mosquito Control 1A & 1B  
Interpreting Pesticide Labels  
Identification of Adult Mosquitoes of Florida  
Identification of Larval Mosquitoes of Florida

New Technologies in Mosquito Control  
Jim Robinson Seminar Series:

- Public Health Pesticides
- Origins of Mosquito Control in Florida

Commissioner's Caucus  
Director's Caucus  
Biology & Identification of Medically Important Ticks  
Crash Course for People New to the Field

Tearing Up & Modifying Traps  
VCMS Training for Beginner/Intermediate  
VCMS - Trapping, Palm & GIS  
VCMS Advanced

Medical Entomology  
Arbovirus Surveillance from A-Z  
History of Mosquito Control  
Basics of Epidemiology

Field Efficacy Evaluation  
General Arthropods  
Chemical Spill Response Training OSHA Level II & III  
DACS Administrative Reporting

Age-Grading of Adult Female Mosquitoes  
Exam Review Session  
Exams