

	Monday: 3/02/2009	Tuesday: 3/03/2009	Wednesday: 3/04/2009	Thursday: 3/05/2009	Friday: 3/06/2009
8:00	Introduction to course and assistants - Dr. Roxanne Connelly ; Welcome by Dr. Walter Tabachnick, Director, FMEL	O'MEARA Brief overview of the biology of mosquito larvae -types of aquatic habitats -seasonal and geographic distributions -literature and databases	LAB: Identify mosquito adults and larvae to genus a. review knowns b. identify unknowns	O'MEARA Introduction to identification of <i>Aedes</i> larvae	CONNELLY Introduction to <i>Anopheles</i>
8:15	Student Introductions, survey, other housekeeping items	↓	↓	↓	↓
8:30	↓	O'MEARA Field Trip Collecting mosquito larvae from sites at FMEL <i>Deinocerites cancer</i> <i>Wyeomyia mitchellii</i>	↓	Identify known <i>Aedes</i> larvae	Identify known <i>Anopheles</i>
9:00	CONNELLY -Taxonomic keys used in this course -Errata, - <i>Aedes</i> -Exams -Male genitalia	↓	↓	↓	↓
9:30	CONNELLY Set up dissecting scopes; brief overview of mosquito genera and adult morphology	↓	↓	↓	BREAK
10:00	BREAK	BREAK	BREAK	BREAK	Drive to Indian River Mosquito Control District
10:30	CONNELLY Pre and post-spiracular setae; discussion and exercise	OMEARA Morphology of mosquito larvae -Key features -Terms and abbreviations	CONNELLY Introduction to identification of <i>Aedes</i> adults	Identify unknown <i>Aedes</i> larvae	Tour of IRMCD facility
11:00	LAB <i>Psorophora</i> study	↓	↓	↓	DAY: Mosquito-borne Diseases in the Southeastern United States

11:30	LAB <i>Psorophora</i> study	Compound microscope set up	↓	↓	↓
12:00	LUNCH - On your own	LUNCH - On your own	LUNCH - On your own	LUNCH - On your own	LUNCH – Pizza Delivered to IRMCD
1:15	LAB Identify adult female mosquitoes to genus	O'MEARA Identify larvae to genus using key, prepared slides and field collected mosquitoes	LAB: Review known <i>Aedes</i> adults	Identify <i>Aedes</i> larvae	↓
1:30	↓	↓	↓	↓	SHROYER: Identification activities at IRMCD.
1:45	↓	↓	↓	↓	↓
2:00	↓	↓	↓	↓	↓
2:15	↓	O'MEARA Demonstration of mounting larval mosquitoes	↓	Review all stages of <i>Aedes</i>	TBA
2:30	↓	O'MEARA (Lecture/Lab) Techniques for collecting mosquito larvae	↓	↓	↓
2:45	↓	↓	↓	↓	↓
3:00	BREAK	BREAK	BREAK	BREAK	RETURN TO FMEL - FOR THOSE WHO ARE NOT STAYING OVER THE WEEKEND - GO HOME! RETURN SAFELY MONDAY MORNING
3:30	LAB: Identify adult female mosquitoes to genus	Field trip – salt marsh east of the FMEL boathouse	LAB: Identify unknown <i>Aedes</i> adults	Review all stages of <i>Aedes</i>	For those who are staying, you may continue working on the <i>Anopheles</i> adults this afternoon
4:00	↓	↓	↓	↓	↓
4:30	↓	ROSS: Introduction to Mosquito Traps ↓	↓	↓	↓
5:00	CLOSE	CLOSE	CLOSE	CLOSE	CLOSE
Evenings	Boathouse open for study after dinner	Trapping Boathouse open for study after dinner	Trapping Boathouse open for study after dinner	Trapping Boathouse open for study after dinner	

	Monday: 3/9/2009	Tuesday: 3/10/2009	Wednesday: 3/11/2009	Thursday: 3/12/2009	Friday: 3/13/2009
8:00	LAB: Identify unknown adult <i>Anopheles</i>	LAB: Identify larvae and adult females of <i>Anopheles</i>	Catch up on <i>Culex</i> identifications	LAB: Review of adult and larvae of all genera and species	Examination I - Written exam on mosquito morphology and biology
8:30	↓	↓	↓	↓	
9:00	↓	DAY, ROSS & TABACHNICK: The Spatial and Temporal Dynamics of Arboviral Amplification/Transmission in Florida	ANDERSON West Nile virus ecology in the U.S., vectors, trapping bias, and vector competence.	ANDERSON: Demo of salivary gland, parity, and midgut dissections (in groups) LAB: Review Continued	PROCEED TO CONNELLY LAB, ROOM 112, TURN IN EXAM I AND HAVE A BREAK
9:30	↓	↓	↓	↓	Examination II - Practical exam on identification of genera and species of adult and larval mosquitoes
10:00	BREAK	BREAK	BREAK	BREAK	↓
10:30	O'MEARA Introduction to and Identification of known <i>Anopheles</i> larvae	CONNELLY Introduction to species of <i>Culex</i> LAB: Identify known and unknown <i>Culex</i>	CONNELLY Introduction to minor genera adults LAB: Identify known minor genera adults	LAB: Review continued	↓
11:00	↓	↓	↓	↓	↓
11:30	↓	↓	↓	↓	↓
12:00	LUNCH - On your own	LUNCH - On your own	LUNCH - On your own	LUNCH - On your own	PROCEED TO EXIT STATION IN CONNELLY LAB, ROOM 112, FOR COURSE COMPLETION CERTIFICATES, SURVEY, TURN IN BUNKHOUSE KEYS, SETTLE OUTSTANDING ACCOUNTS
1:15	O'MEARA Field trip to wastewater wetlands	O'MEARA: Introduction to and identification of <i>Culex</i> larvae	LAB: Identify unknown minor genera	LAB: Review continued	Have a safe trip home!
1:30	↓	↓	↓	↓	

2:00					
2:30					
3:00	BREAK	BREAK	BREAK	BREAK	
3:30	LAB: Identify unknown <i>Anopheles</i> larvae	LAB: Identify unknown larvae and adult females of <i>Culex</i> mosquitoes	O'MEARA: Introduction to minor genera larvae LAB: Identify larvae of minor genera		
4:00					
4:15	LAB: Identify larvae and adult females of <i>Anopheles</i>				
4:30					
5:00	CLOSE	CLOSE	CLOSE	CLOSE	
Eve- nings	Trapping Boathouse open for study after dinner	Trapping Boathouse open for study after dinner	Trapping Boathouse open for study after dinner	Complimentary Dinner in the FMEL Roundhouse	