

BIOL 322, Entomology

Orders and Families to Know

Lab #	Class	Order	Suborder	Family
#3 – Entognatha, Apterygota and Paleoptera	Protura			
	Diplura			
	Collembola			
	Insecta	Archaeognatha/Microcoryphia		
		Zygentoma/Thysanura		
	Ephemeroptera	Odonata	Anisoptera	Aeshnidae
				Libellulidae
		Zygoptera	Lestidae	
			Coenagrionidae	
	Plecoptera			
#4 – Orthopteroids	Dermaptera			Forficulidae
	Orthoptera	Ensifera	Gryllidae	
			Tettigoniidae	
			Raphidophoridae	
			Gryllotalpidae	
			Stenopelmatidae	
		Caelifera	Acrididae	
		Tetrigidae		
	Phasmatodea			
	Blattodea	"Cockroaches"		
		"Termites"		
	Mantodea			
	Embioptera			
	Zoraptera			
Grylloblattodea				
Mantophasmatodea				
Psocodea	"Mallophaga"			
	"Anoplura"			
	"Psocoptera"			
Thysanoptera				
Hemiptera	Auchenorrhyncha	Cicadidae		
		Membracidae		
		Cercopidae		
		Cicadellidae		
		Fulgoridae		
	Sternorrhyncha	Psyllidae		
		Aleyrodidae		
		Aphididae		
		Adelgidae		
		(superfamily) Coccoidea		

Lab #	Class	Order	Suborder	Family
#6 – Neuropteroids			Heteroptera	Nepidae
				Belostomatidae
				Corixidae
				Notonectidae
				Gerridae
				Tingidae
				Miridae
				Nabidae
				Anthocoridae
				Cimicidae
				Reduviidae
				Lygaeidae
				Coreidae
				Pentatomidae
		Acanthosomatidae		
		Megaloptera		
		Neuroptera		Chrysopidae
				Hemerobiidae
				Myrmeleontidae
				Mantispidae
		Raphidioptera		
		Strepsiptera		
		Coleoptera	Adephaga	Carabidae
				Cicindelidae
				Dytiscidae
				Gyrinidae
			Polyphaga	Silphidae
				Staphylinidae
Lucanidae				
Scarabaeidae				
Buprestidae				
Elateridae				
Lampyridae				
Dermostidae				
Ptinidae				
Cleridae				
Cucujidae				
Coccinellidae				
Tenebrionidae				
Meloidae				
Cerambycidae				
Chrysomelidae				
Curculionidae, incl: Scolytinae				

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#7 – Mecopteroids I		Lepidoptera		Tineidae
				Sesiidae
				Tortricidae
				Pterophoridae
				Pyralidae
				Hesperiidae
				Papilionidae
				Pieridae
				Lycaenidae
				Nymphalidae
				Geometridae
				Lasiocampidae
				Bombycidae
				Saturniidae
				Sphingidae
				Erebidae
	Noctuidae			
#8 – Mecopteroids II		Trichoptera		
		Siphonaptera		
		Mecoptera		
		Diptera	Nematocera	Tipulidae
				Bibionidae
				Sciaridae
				Cecidomyiidae
				Chaoboridae
				Culicidae
				Simuliidae
				Ceratopogonidae
				Chironomidae
				Brachycera
		Asilidae		
Bombyliidae				
Dolichopodidae				
	Syrphidae			
	Tephritidae			
	Drosophilidae			
	Muscidae			
	Calliphoridae			
	Sarcophagidae			
	Tachinidae			
	Oestridae			
	Hippoboscidae			

Lab #	Class	Order	Suborder	Family
#9 - Hymenoptera		Hymenoptera	Symphyta	Diprionidae
				Tenthredinidae
				Cimbicidae
				Siricidae
			Apocrita	Braconidae
				Ichneumonidae
				Chalcidoidea (superfamily)
				Chrysididae
				Sphecidae
				Megachilidae
				Apidae
				Vespidae
				Pompilidae
				Mutillidae
				Formicidae