

**ENTM 4005 – Insect Taxonomy**  
**N.P. Lord, Spring 2020**  
**Taxonomic List (revised 10 January 2020)**

Note: Ordinal ranks of non-hexapods plus all hexapod family ranks are given alphabetically.  
Hexapod orders are given in phylogenetic order following Misof et al. 2014

Family Count: 286

Clade: Panarthropoda

Phylum: Tardigrada

Phylum: Onychophora

Phylum: Arthropoda

Subphylum: Trilobita

Subphylum: Chelicerata

Class: Pycnogonida

Class: Euchelicerata

Subclass: Merostomata

Order: Eurypterida

Order: Xiphosura

Subclass: Arachnida

Order: Amblypygi

Order: Araneae

Order: Opiliones

Order: Palpigradi

Order: Pseudoscorpiones

Order: Ricinulei

Order: Schizomida

Order: Scorpiones

Order: Solifugae

Order: Uropygi

Superorder: Parasitiformes

Superorder: Acariformes

Clade: Mandibulata

Subphylum: Myriapoda

Class: Chilopoda

Class: Diplopoda

Class: Symphyla

Class: Pauropoda

Clade: Pancrustacea

Subphylum: "Crustacea"

Class: Remipedia

Subphylum: Hexapoda

Clade: Entognatha

**Order: Protura**

**Order: Collembola (7)**

Family: Entomobryidae

Family: Hypogastruridae

Family: Isotomidae

Family: Onychiuridae

Family: Poduridae

Family: Sminthuridae

Family: Tomoceridae

**Order: Diplura (2)**  
 Family: Campodeidae  
 Family: Japygidae  
 Class: Insecta (= Ectognatha)

**Order: Archaeognatha (1)**  
 Family: Machilidae  
 Family: Meinertellidae  
 Clade: Dicondylia

**Order: Zygentoma (1)**  
 Family: Lepismatidae  
 Subclass: Pterygota  
 Clade: Palaeoptera

**Order: Odonata (8)**  
 Suborder: Anisoptera  
 Family: Aeshnidae  
 Family: Corduliidae  
 Family: Gomphidae  
 Family: Libellulidae  
 Family: Macromiidae  
 Suborder: Zygoptera  
 Family: Calopterygidae  
 Family: Coenagrionidae  
 Family: Lestidae

**Order: Ephemeroptera (3)**  
 Family: Baetidae  
 Family: Ephemeridae  
 Family: Heptageniidae  
 Infraclass: Neoptera  
 Superorder: Polyneoptera

**Order: Zoraptera (1)**  
 Family: Zorotypidae

**Order: Dermaptera (4)**  
 Family: Anisolabididae  
 Family: Forficulidae  
 Family: Labiduridae  
 Family: Spongiphoridae

**Order: Plecoptera**

**Order: Orthoptera (10)**  
 Suborder: Ensifera  
 Family: Gryllacrididae  
 Family: Gryllidae  
 Family: Gryllotalpidae  
 Family: Mogoplistidae  
 Family: Rhabdophoridae  
 Family: Tettigoniidae  
 Suborder: Caelifera  
 Family: Acrididae  
 Family: Romaleidae  
 Family: Tetrigidae  
 Family: Tridactylidae

**Order: Notoptera (2)**  
 Suborder: Mantophasmatodea  
 Family: Mantophasmatidae  
 Suborder: Grylloblattodea  
 Family: Grylloblattidae

**Order: Embioptera**

**Order: Phasmatoda (2)**  
 Family: Heteronemiidae  
 Family: Pseudophasmatidae  
 Clade: Dictyoptera

**Order: Mantodea (2)**  
 Family: Mantidae  
 Family: Mantoididae

**Order: Blattodea (incl. Isoptera) (6)**  
 Suborder: Blattaria  
 Family: "Blattellidae"  
 Family: Blattidae  
 Family: Cryptocercidae  
 Family: Ectobiidae  
 Suborder: Isoptera  
 Family: Kalotermitidae  
 Family: Rhinotermitidae  
 Superorder: "Acercaria" (= "Paraneoptera")

**Order: Thysanoptera (2)**  
 Suborder: Terebrantia  
 Family: Thripidae  
 Suborder: Tubulifera  
 Family: Phlaeothripidae

**Order: Hemiptera (58)**  
 Suborder: Sternorrhyncha  
 Family: Adelgidae  
 Family: Aleyrodidae  
 Family: Aphididae  
 Family: Asterolecaniidae  
 Family: Coccidae  
 Family: Dactylopiidae  
 Family: Diaspididae  
 Family: Margarodidae  
 Family: Ortheziidae  
 Family: Pseudococcidae  
 Family: Psyllidae  
 Suborder: Auchenorrhyncha  
 Superfamily: Cicadoidea  
 Family: Cercopidae  
 Family: Cicadellidae  
 Family: Cicadidae  
 Family: Membracidae  
 Superfamily: Fulgoroidea  
 Family: Acanaloniidae  
 Family: Cixiidae  
 Family: Delphacidae  
 Family: Derbidae  
 Family: Dictyopharidae  
 Family: Flatidae  
 Family: Fulgoridae  
 Family: Issidae  
 Family: Tropiduchidae  
 Suborder: Coleorrhyncha  
 Suborder: Heteroptera  
 Family: Alydidae  
 Family: Anthocoridae  
 Family: Aradidae

Family: Belostomatidae  
Family: Berytidae  
Family: Blissidae  
Family: Cimicidae  
Family: Coreidae  
Family: Corixidae  
Family: Cydnidae  
Family: Gelastocoridae  
Family: Geocoridae  
Family: Gerridae  
Family: Hydrometridae  
Family: Largidae  
Family: Lygaeidae  
Family: Mesoveliidae  
Family: Miridae  
Family: Nabidae  
Family: Naucoridae  
Family: Nepidae  
Family: Notonectidae  
Family: Pachygronthidae  
Family: Pentatomidae  
Family: Plataspidae  
Family: Pleidae  
Family: Reduviidae  
Family: Rhopalidae  
Family: Rhyparochromidae  
Family: Saldidae  
Family: Scutelleridae  
Family: Thyreocoridae  
Family: Tingidae  
Family: Veliidae

**Order: Psocodea (incl. 'Phthiraptera') (5)**

Family: Liposcelididae  
Family: Pediculidae  
Family: Psocidae  
Family: Pthiridae  
Family: Trichodectidae

Superorder: Holometabola

**Order: Hymenoptera (38)**

Suborder: "Symphyta"

Family: Argidae  
Family: Siricidae  
Family: Tenthredinidae

Suborder: Apocrita

Family: Andrenidae  
Family: Apidae  
Family: Belythidae  
Family: Braconidae  
Family: Chalcididae  
Family: Chrysididae  
Family: Colletidae  
Family: Crabronidae  
Family: Cynipidae  
Family: Diapriidae  
Family: Dryinidae  
Family: Encyrtidae

Family: Eucharitidae  
Family: Eulophidae  
Family: Eurytomidae  
Family: Evaniidae  
Family: Figitidae  
Family: Formicidae  
Family: Halictidae  
Family: Ichneumonidae  
Family: Megachilidae  
Family: Mutillidae  
Family: Mymaridae  
Family: Pelecinidae  
Family: Perilampidae  
Family: Platygastriidae  
Family: Polpilidae  
Family: Pteromalidae  
Family: Scelionidae  
Family: Scoliidae  
Family: Sphecidae  
Family: Tiphidae  
Family: Torymidae  
Family: Trichogrammatidae  
Family: Vespidae

Clade: Neuropterida

**Order: Raphidioptera (1)**

Family: Raphidiidae

**Order: Megaloptera (2)**

Family: Corydalidae

Family: Sialidae

**Order: Neuroptera (7)**

Family: Ascalaphidae

Family: Berothidae

Family: Chrysopidae

Family: Coniopterygidae

Family: Hemerobiidae

Family: Mantispidae

Family: Myrmeleontidae

Clade: Coleopterida

**Order: Strepsiptera (1)**

Family: Stylopidae

**Order: Coleoptera (49)**

Suborder: Archostemata

Family: Cupedidae

Suborder: Myxophaga

Suborder: Adephaga

Family: Carabidae

Family: Dytiscidae

Family: Gyrinidae

Family: Haliplidae

Suborder: Polyphaga

Family: Anthicidae

Family: Anthribidae

Family: Bostrichidae

Family: Brentidae

Family: Buprestidae

Family: Cantharidae

Family: Cerambycidae  
Family: Chrysomelidae  
Family: Cleridae  
Family: Coccinellidae  
Family: Curculionidae  
Family: Dermestidae  
Family: Dryopidae  
Family: Elateridae  
Family: Elmidae  
Family: Endomychidae  
Family: Erotylidae  
Family: Eucnemidae  
Family: Geotrupidae  
Family: Heteroceridae  
Family: Histeridae  
Family: Hydrophilidae  
Family: Lampyridae  
Family: Lucanidae  
Family: Lycidae  
Family: Meloidae  
Family: Melyridae  
Family: Mordellidae  
Family: Nitidulidae  
Family: Oedemeridae  
Family: Passalidae  
Family: Phalacridae  
Family: Phengodidae  
Family: Ptiliidae  
Family: Ptilodactylidae  
Family: Ptinidae (= Anobiidae)  
Family: Ripiphoridae  
Family: Scarabaeidae  
Family: Silphidae  
Family: Silvanidae  
Family: Staphylinidae  
Family: Tenebrionidae  
Family: Trogidae  
Family: Trogossitidae

Clade: Amphiesmenoptera

**Order: Trichoptera**

**Order: Lepidoptera (27)**

Family: Attevidae  
Family: Cossidae  
Family: Crambidae  
Family: Erebidae  
Family: Gelechiidae  
Family: Geometridae  
Family: Gracillariidae  
Family: Hesperidae  
Family: Lasiocampidae  
Family: Limacodidae  
Family: Lycaenidae  
Family: Megalopygidae  
Family: Nepticulidae  
Family: Noctuidae  
Family: Notodontidae

Family: Nymphalidae  
Family: Papilionidae  
Family: Pieridae  
Family: Psychidae  
Family: Pterophoridae  
Family: Pyralidae (or Pyraloidea)  
Family: Saturniidae  
Family: Sesiidae  
Family: Sphingidae  
Family: Tineidae  
Family: Tortricidae  
Family: Yponomeutidae

Clade: Antliophora

**Order: Siphonaptera (1)**

Family: Pulicidae

**Order: Mecoptera (4)**

Family: Bittacidae

Family: Boreidae

Family: Meropeidae

Family: Panorpidae

**Order: Diptera (41)**

Suborder: "Nematocera"

Family: Bibionidae

Family: Cecidomyiidae

Family: Ceratopogonidae

Family: Chrionomidae

Family: Culicidae

Family: Mycetophilidae

Family: Psychodidae

Family: Ptychopteridae

Family: Sciaridae

Family: Simuliidae

Family: Tipulidae

Suborder: Brachycera

Family: Agromyzidae

Family: Anthomyiidae

Family: Asilidae

Family: Bombyliidae

Family: Calliphoridae

Family: Chloropidae

Family: Conopidae

Family: Dolichopodidae

Family: Drosophilidae

Family: Empididae

Family: Ephydriidae

Family: Hippoboscidae

Family: Lauxaniidae

Family: Micropezidae

Family: Muscidae

Family: Mydidae

Family: Oestridae

Family: Phoridae

Family: Pipunculidae

Family: Rhagionidae

Family: Sarcophagidae

Family: Sciomyzidae

Family: Sepsidae  
Family: Stratiomyidae  
Family: Syrphidae  
Family: Tabanidae  
Family: Tachinidae  
Family: Tephritidae  
Family: Therevidae  
Family: Ulidiidae