**CBS 817 – Fall 2023 Aquatic Parasites ‘Reading’ Assignments**

For each parasite assigned, prepare two powerpoint slides. The first one should be any images you can find of the parasite or affected hosts that seem relevant to you. Attempt not to identify the parasite on this slide if possible.

The second slide should be titled with the name of the parasite, and essentially be a ‘flashcard’ of summary information for that organism, roughly following the template below. Font size can certainly be smaller than necessary for a presentation, as this is meant to be a study/review tool, but the goal is to summarize the critical points, not to rewrite the textbook. All slides will be compiled into a single slide deck for group distribution.

Parasite name

1. Environmental factors: marine vs freshwater, any specific regions, temperature ranges
2. Parasite life cycle, mode of transmission
3. Specific host species and/or systems affected: gills vs skin, internal organs, etc
4. Appearance of parasite and/or clinical signs seen in host
5. Medical management and/or prevention

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| **Stratton** | **Souza** | **Dannemiller** |
| Ichthyopthirius multifilis | Cryptocaryon irritans | Chilodenella spp |
| Trichodinids | Sessile ciliates | Cryptobia spp |
| Amyloodinium/Piscinoodinium | Amoebas | Capsalid monogeneans |
| Monocotylid monogeneans | Polyopisthocotyl monogeneans | Digenes |
| Cestodes | Leeches | Ascarid nematodes |
| Anguillicolid nematodes | Trichosomoidid nematodes | Pentastomids |
| Isopods | Branchiurans | Enteromyxum spp |
| Ceratonova/Ceratomyxa | Hoferellus spp | Kudoa spp |
| Cryptosporidium spp | Caryospora-like coccidia (sea turtles) | Spirorchid trematodes (sea turtles) |
| Pulmonicola/Cochleotrema (manatees) | Otostrongylus circumlitus (pinnipeds) | Toxoplasma gondii (marine mammals) |
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| **Martinelli** | **Mumm** |  |
| Brooklynella spp | Scuticociliates |  |
| Ichthyobodo spp | Spironucleus/Hexamita |  |
| Dactylogyrid monogeneans | Gyrodactylid monogeneans |  |
| Digenes (blood flukes) | Turbellaria |  |
| Camallarid nematodes | Philometrid nematodes |  |
| Acanthocephalans | Copepods |  |
| Henneguya spp | Myxobolus spp |  |
| Tetracapsuloides bryosalmonae | Eimeria spp |  |
| Bdelloura candida (limulus) | Aggregata spp (cephalopods) |  |
| Crassicauda spp (cetaceans) | Nasitrema sp (cetaceans) |  |