

**Biol 515: Marine Invertebrate Biology, M & W 13:00-16:40, LS 343****Instructor: Dr. Brian T. Hentschel**

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Required Textbook: Pechenik (2005), *Biology of the Invertebrates*  
 Supplemental Textbook: Pearse et al. (1987), *Living Invertebrates*

**Class Schedule for Fall 2006**

Date	Main Topics & Taxa; Exams & Due Dates	Required Reading in Pechenik (2005)	Optional Reading in Pearse et al. (1987)
M Aug 28	Intro to Biol 515: Invertebrate Phylogenies, Microscopes, Cross-section slides	Ch 1, Ch 2, Ch 5 Ch 23	Ch 1; Ch 30
W Aug 30	Review of the Major Invertebrate Taxa	Ch 1, 2, 5 23	Ch 1; Ch 30
W Sep 6	Protozoans	Ch 3	Ch 2 (p. 11-12, 21-22, 25-31, 36-41, 47-54, 58-65)
M Sep 11	Porifera, Intro to Cnidaria, Hydrozoa	Ch 4, Ch 6 (p. 97-100;105-113)	Ch 3; Ch 5 (99-102, 107-110, 116, 128-132); Ch 6 (133-151)
W Sep 13	Scyphozoa, Anthozoa, Ctenophora	Ch 6 (p 100-105; 113-129), Ch 7	Ch 6 (152-157, 162, 163-184); Ch 7 (187-199)
M Sep 18	Platyhelminthes, Nemertea, Rotifera, Nematoda,	Ch 8, Ch 10, Ch 11, Ch 16,	Ch 8; 9 (222-232); Ch 11; 12 (268-278) Ch 13 (301-307)
W Sep 20	Chaetognatha, Lophophorates, Kamptozoa	Ch 18 (449-455) Ch 19	Ch 25; Ch 26
M Sep 25	<b>Lab Exam # 1. Begin @ 13:30</b>		
W Sep 27	Kelp Holdfast Community		
M Oct 2	Intro to Mollusca, Gastropoda I	Ch 12 (p. 206-210; p. 216-230)	Ch 14 (327-335)
W Oct 4	Gastropoda II	Ch 12 (216-230)	Ch 14 (336-346)
M Oct 9	Bivalvia	Ch 12 (230-243)	Ch 14 (347-361)
W Oct 11	Polyplacophora, Aplacophora, Monoplacophora, Scaphopoda, Cephalopoda	Ch 12 (p. 210-216; 247-284)	Ch 14 (362-384)

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M Oct 16	Intro to Annelida, Errant Polychaetes	Ch13 (p.285-95)	Ch 16 (387-398) Ch 17 (411-417)
W Oct 18	Sedentary Polychaetes I	Ch 13 (285-295)	Ch 17 (417-427)
<b>Su Oct 22</b>	Field Trip 3-4:40: Mariner's Basin 0.2 ft @ 16:21		
M Oct 23	Sedentary Polychaetes II, Oligochaeta, Hirudinea	Ch 13 (302-308)	Ch 16 (399-410) Ch 17 (428-435)
W Oct 25	Pogonophora, Echiura, Sipuncula, Priapulida	Ch 13 (295-328) Ch 17 (438-440)	Ch 18 (438-448)
M Oct 30	<b>Lab Exam # 2. Begin @ 13:30</b>		
W Nov 1	Onychophora, Tardigrada, Intro to Arthropoda, Trilobita, Chelicerata, Uniramia	Ch 15, Ch 14 (p. 329-340; 344-345)	Ch 19; Ch 13 (316-318); Ch 20, Ch 22 (529-544, 559-563); Ch 23; Ch 24
<b>M Nov 6</b>	Field Trip 2-4:30: Camino de la Costa Rocky Tidepools -1.2 ft @ 16:01		
W Nov 8	Crustacea I: Crab dissection, Anostraca, Cladocera, Ostracoda, Copepoda, Thoracica	Ch 14 (358-405)	Ch 21 (481-510, 524, 526, 527)
<b>M Nov 13</b>	<b>No Class Meeting!</b> Catch up on Arthropod readings!		
W Nov 15	Crustacea II: Leptostraca; Stomatopoda; Syncarida; Peracarida I: Mysidacea, Cumacea, Tanaidacea, Isopoda	Ch 14 (358-405)	Ch 21 (511-517)
M Nov 20	Crustacea III: Peracarida II: Amphipoda; Eucarida: Euphausiacea, Decapoda I ("shrimps")	Ch 14 (358-405)	Ch 21 (517-525)
W Nov 22	Crustacea IV: Decapoda II (Anomura, Brachyura)	Ch 14 (358-405)	Ch 21 (517-525)
M Nov 27	<b>Lab Exam # 3. Begin @ 13:30</b>		
W Nov 29	Echinoderms: Asteroidea, Ophiuroidea, Crinoidea	Ch 20 (485-497)	Ch 27(683-703, 721-724)
M Dec 4	Echinoidea, Holothuroidea; <b>Basic Invert Exam</b>	Ch 20 (497-514)	Ch 27 (704-720)
W Dec 6	Hemichordata, Urochordata, Cephalochordata	Ch 21, Ch 22	Ch 28; Ch 29
M Dec 11	<b>Lab Exam # 4</b> (Final Exam Period 13:00-15:00)		