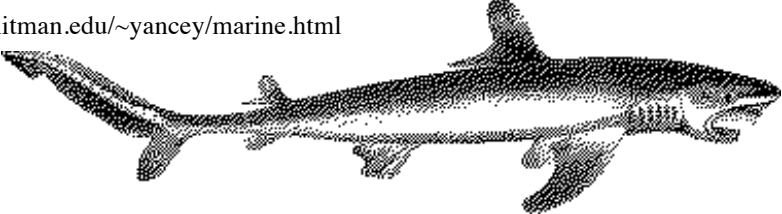






MARINE BIOLOGY 278/279 — Spring 2013

Dr. Paul H. Yancey	people.whitman.edu/~yancey/marine.html 	Sci 300 x5498 Office Hrs: 11TuWTh or by appt.
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Tentative Schedule -- May be altered due to potential conference in Feb.!!

DATE	LECTURE=10TuWTh[F] (usually 3 per week)	EXAMS	READING (text)*
Jan. Tu22 W23 Th24 F25	1. OVERVIEW 2. ENVIRONMENTAL FACTOR--Tectonic/Geologic 3. " " --Geological; Physical 4. " " --Physical; Movements		Chap. 1 Chap. 2
Jan. Tu29 W30 Th31 Feb. 1	5. ENVIRONMENTAL FACTORS --Movements 6. " " --Tides; Light 7. " " --Light, Temperature 8. " " --Chemical		Chap. 3 Chap. 4
Feb. T5 W6 Th7 F8	9. ENVIRONMENTAL FACTORS --Chemical; Biotic 10. MARINE ECOLOGY 11. " " ; ORGANISMAL BIOLOGY EXAM I—through Lec 11 ECOLOGY		Chap. 9 Chaps. 5, 6
Feb. Tu12 W13 Th14 F15	12. ORGANISMAL BIOLOGY 13. BENTHIC BIOLOGY—General 14. " " " 15. " " "		Chaps. 10, 11
Feb. Tu19 W20 Th21	16. BENTHIC BIOLOGY—General 17. " " --General; Intertidal 18. " " --Intertidal Rocky		Chaps. 12
Feb. Tu26 W27 Th28 Mar. F1	19. BENTHIC BIOLOGY— Intertidal Rocky 20. " " " " 21. " " --Intertidal Beach EXAM II —through Lec 20 ROCKY		Chap. 13
Mar. Tu5 W6 Th7	22. BENTHIC BIOLOGY— Intertidal Mudflat 23. BENTHIC BIOLOGY— Subtidal 24. " " " ; POLAR		Chaps. 5, 14
Mar. 10-16	FIELD TRIP** to FRIDAY HARBOR—Biol 279		FIELD GUIDE
Mar. Tu26 W27 Th28	25. BENTHIC BIOLOGY--CORAL REEFS 26. " " " 27. BENTHIC BIOLOGY--DEEP SEA General		Chaps. 7, 8, 14
Apr. Tu2 W3 Th4	28. BENTHIC BIOLOGY--DEEP SEA general 29. " " --SEEPS 30. " " --VENTS		Chaps. 7, 8, 14
Apr. W10 Th11 F12	31. PELAGIC BIOLOGY--SEEPS: DEEP SEA 32. PELAGIC BIOLOGY— DEEP EXAM III through DEEP Lec 31		
Apr. Tu16 W17 Th18	33. PELAGIC BIOLOGY— PLANKTON 34. " " —NEKTON motility 35. PELAGIC BIOLOGY —Nekton motility, temperature		REPORTS due Apr.17 Chap. 15
Apr. Tu23 W24 Th25	36. PELAGIC BIOLOGY —Nekton diving 37. " " " feeding, 38. PELAGIC BIOLOGY —Nekton feeding, migration		To be assigned: materials by guest lecturer
Apr. Tu30 May W1 Th2	39. PELAGIC BIOLOGY —Nekton migration, repro. 40. " " --Nekton social 41. NEKTON Intelligence; HUMAN Interactions		Chaps. 16-18
May Tu7 May M13	42. HUMAN Interactions FINAL EXAM 9-11am		Semi-comprehensive

***TEXT** = Marine Biology, 9th ed., by Castro and Huber.

****FIELD TRIP, BIOL 279:** You will also need a **field guide**, on sale at bookstore. PLEASE GET A

BINDER FOR a **field trip manual** that you will be given on the trip. The trip is has lectures and videos as well as field / lab experiments with write-ups.

GRADING: for **Biol 278** will be based on **300** total points, as follows:

EXAM I (10 lectures)	-- 70 points (23.3%)
EXAM II (9.5 lectures)	-- 70 points (23.3%)
EXAM III (10.5 lectures)	-- 75 points (25%)
FINAL EXAM (10.5 lectures, & review)	-- 85 points (28.3%)--partly comprehensive

For **Biol 279**, grading is based on:

FIELD TRIP (reports) ---~**150** points (unless some exercises are canceled due to weather)

ATTENDANCE: lectures rely heavily on visual material not in the text. Significant unexcused absence from class may result in a drop in the final grade.

GRADE SCALE: Unless an exam results in an unexpectedly low average, grading will be:

A=90-100%; B=80-89.9%; C=70-79.9%; D=60-69.9%; F<60%

With Plus/Minus cutoffs at 93, 87, 83, 77, 73, 67, 63%

BIOL 279: PRELIMINARY TRIP INFORMATION

During Spring Break, on San Juan Island's U.W. Friday Harbor Laboratories, you will be doing a number of projects and experiments in the lab and at field sites. There will be numerous write-ups (equivalent to a semester's worth). You will also be working in teams of 2, so be thinking about a partner.

I. SCHEDULE (Details later): Leave WW **Sunday Mar. 10** for Seattle/Anacortes/Fri. Harbor
 Depart Fri. Harbor **Saturday Mar. 16** for Walla Walla

II. TRANSPORTATION: 2 VANS will be used.

III. ASSISTANTS: Shannon Buckham, and ?

IV. MATERIALS TO BRING: PERSONAL (pack lightly--space is usually tight!)

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| 1. SLEEPING BAG — or sheets and blanket
2. Flashlight!!!
3. Bathroom items—soap, toiletries
4. General outdoor clothes incl. something WARM!
5. Grubby shoes or high BOOTS for mudflat
6. RAINGEAR
7. Work Gloves or waterproof marine gloves | 8. Small backpack or other container for field trips
9. Course materials— lab manual , pen/pencils
10. Small NOTEPAD for taking notes in the field (rain?)

OPTIONAL: 11. Money for goodies in town
12. Alarm clock |
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