

Marine Mammal Biology – SIO 133 Spring Quarter 2014

Lecture: MWF 9 - 9:50 am CSB 002

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Office Hours Friday 10:30 - 11:30 am Ritter Hall 200E

[Lisa T. Ballance \(LBallance@ucsd.edu\)](mailto:LBallance@ucsd.edu)

Office Hours Wednesday 10:30 - 11:30 and by appointment, 339 Southwest Fisheries Science Center Bldg

Ana Sirovic (asirovic@ucsd.edu)

Simone Baumann-Pickering (sbaumann@ucsd.edu)

Sections:

Monday 10-10:50 am HSS 1315 (note room change!)

Monday 11-11:50 am HSS 1315 (note room change!)

Monday 1-1:50 pm CENTR 217B

Teaching Assistants:

Kait Frasier <kefrasier@ucsd.edu>

Office Hours: Wednesday 10 am - 12 pm Galbraith Hall, room 364

Matt Leslie <mleslie@ucsd.edu>

Office Hours: Monday 2-4 pm Galbraith Hall, room 364

Course Text: Berta, A., J.L. Sumich, and K.M. Kovacs 2006. Marine Mammals: Evolutionary Biology. 2nd Edition. Academic Press.

[Textbook](#)

Helpful Files for the Term Paper

[Term Paper Guidelines](#)

[Literature Search Guide](#)

[Term Paper Format](#)

Grade:

30% Mid-Term; 30% Term Paper; 30% Final Exam; 10% Section Participation

Week 1

31 March - [Introduction to Course](#) (Ana Sirovic) Read 1-24; [Ocean Environment](#)

2 April - [Biogeography](#) (Ana Sirovic) Read 111-131

4 April - [Climate Change](#) (Ana Sirovic) Read [Climate change](#) and [Simmonds & Isaac: Impacts of climate change on marine mammals](#)

Week 2

7 April - Marine Environment as a Selective Force for Secondary Marine Forms (*LTB*)

9 April - Cetacean Taxonomy and Classification (*LTB*)

11 April - Cetacean Taxonomy and Classification (*LTB*)

Week 3

14 April - Cetacean Systematics and Evolution (*LTB*)

16 April - Role of Marine Mammals in Ecosystems (*LTB*)

18 April - Role of Marine Mammals in Ecosystems (*LTB*)

Week 4

21 April – Pinniped and Sirenian Taxonomy and Evolution (*JH*)

23 April - Pinniped and Sirenian Taxonomy and Evolution (*JH*)

25 April – Pinniped and Sirenian Taxonomy and Evolution (*JH*)

Week 5

28 April - Sensory Systems (*JH*)

30 April - Impacts of Anthropogenic Sound (*JH*)

2 May – Sensory Systems (*JH*)

Week 6

5 May – MIDTERM

7 May - Anatomy (*Simone Baumann-Pickering*)

9 May - Locomotion (*Simone Baumann-Pickering*)

Week 7

12 May – Energetics and Thermoregulation (*Simone Baumann-Pickering*)

14 May - Diving Physiology (*Simone Baumann-Pickering*)

16 May - Health (*Simone Baumann-Pickering*) Health

Week 8

19 May - Odontocete Acoustics Biosonar (*Simone Baumann-Pickering*)

21 May –Mysticete Acoustics (*Ana Sirovic*)

23 May - Behavior and Social Systems (*JH*)

Week 9

26 May - HOLIDAY - Memorial Day

28 May - Behavior and Social Systems (*JH*)

30 May– Whaling: Past, Present, and Future (*LTB*)

Week 10

2 June - Bycatch (*LTB*)

4 June - Indirect Effects (*LTB*)

6 June - Legislation and Ecosystem-Based Approaches to Conservation (*LTB*)

Final Exam June 11, 8 - 11 am Location: TBD