

## **Marine Mammal Biology – SIO 133 Spring Quarter 2016**

**Lecture: MWF**

**[John A. Hildebrand \(jhildebrand@ucsd.edu\)](mailto:jhildebrand@ucsd.edu)**

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

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

**Office Hours and by appointment, 339 Southwest Fisheries Science Center Bldg**

**Ana Sirovic (asirovic@ucsd.edu)**

**Simone Baumann-Pickering (sbaumann@ucsd.edu)**

**Sections:**

**Teaching Assistants:**

**Office Hours:**

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**Textbook:**

**Berta, A., J.L. Sumich, and K.M. Kovacs 2006. Marine Mammals: Evolutionary Biology. 2<sup>nd</sup> Edition. Academic Press**

**Grade:**

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

**Tern Paper:**

**Week 1**

**28 March - Introduction to Course (JAH)**

**30 March - Marine Environment as a Selective Force for Secondary Marine Forms (LTB)**

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

**Week 2**

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

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

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

**Week 3**

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

**13 April - Pinniped and Sirenian Systematics (JAH)**

**15 April - Pinniped and Sirenian Evolution (JAH)**

**Week 4**

- 18 April - Pinniped Conservation (JAH)**
- 20 April - Biogeography (Ana Sirovic)**
- 22 April - Climate Change (Ana Sirovic)**

**Week 5**

- 25 April - Sensory Systems - Vision et al. (JAH)**
- 27 April - Sensory Systems - Sound BW (JAH)**
- 29 April - Impacts of Anthropogenic Sound (JAH)**

**Week 6**

- 2 May - MIDTERM EXAM**
- 4 May - Anatomy (Simone Baumann-Pickering)**
- 6 May - Locomotion (Simone Baumann-Pickering)**

**Week 7**

- 9 May - Energetics and Thermoregulation (Simone Baumann-Pickering)**
- 11 May - Diving Physiology (Simone Baumann-Pickering)**
- 13 May - Health (Simone Baumann-Pickering)**

**Week 8**

- 16 May - Behavior and Foraging (JAH)**
- 18 May - Behavior Mating + Population (JAH)**
- 20 May - Odontocete Acoustics Biosonar (Simone Baumann-Pickering)**

**Week 9**

- 23 May - Mysticete Acoustics (Ana Sirovic)**
- 25 May - Whaling: Past, Present, and Future (LTB)**
- 27 May - Bycatch (LTB)**

**Week 10**

- 30 May - HOLIDAY - Memorial Day**
- 1 June - Indirect Effects (LTB)**
- 3 June - Guest Lecture (Bob Pitman)**

**FINAL EXAM**

