Tentative Lecture Schedule – CONCEPTS: MARINE BIOLOGY (BIOL 101) Fall 2018

|  |  |  |
| --- | --- | --- |
| DATE | LECTURE | READINGS |
| Aug. | 21 | Tues. | Intro: Goals for the course and The Science of Marine Biology | Ch. 1.1 |
|  | 23 | Thurs. | Intro cont.: The Scientific Method and Whale Sharks | Ch. 1.2 |
|  | 28 | Tues. | The Water Planet and The Origin and Structure of the Ocean Basins and The Geological Provinces of the Ocean | Ch. 2.1–2.3 |
|  | 30 | Thurs. | The Waters of the Ocean, Ocean Circulation, and Waves and Tides | Ch. 3.1–3.3 |
| Sept. | 4 | Tues. | The Ingredients of Life, Living Machinery, and Challenges of Life in the Sea | Ch. 4.1–4.2 |
|  | 6 | Thurs. | Challenges of Life in the Sea and Perpetuating Life  | Ch. 4.3–4.4 |
|  | 11 | Tues. | The Diversity of Life in the Sea and *Your Inner Fish* | Chs. 4.5; 5.3 |
|  | 13 | Thurs. | Unicellular and Multicellular Algae | Chs. 5.3; 6.1 |
|  | 18 | Tues. | **\*\*\*\*\*\*\*\*\*\*\*\* EXAM I \*\*\*\*\*\*\*\*\*\*\*\*\*** | \*\*\*\* |
|  | 20 | Thurs. | Flowering Plants and Protozoans: The Animal-Like Protists  | Chs. 6.1; 5.4 |
|  | 25 | Tues. | Sponges, Cnidarians, Comb Jellies, and Bilaterally Symmetrical Worms | Ch. 7.1–7.4 |
|  | 27 | Thurs. | Segmented Worms, Molluscs, and Arthropods | Ch. 7.4–7.6 |
| Oct. | 2 | Tues. | Arthropods and Echinoderms,  | Ch. 7.6–7.9 |
|  | 4 | Thurs. | Chordates Without A Backbone and Types of Fishes | Chs. 7.10; 8.1-8.2 |
|  | 9 | Tues. | Types of Fishes and Biology of Fishes | Ch. 8.3 |
|  | 11 | Thurs. | FALL BREAK – NO CLASS | \*\*\*\* |
|  | 16 | Tues. | Marine Reptiles, Seabirds, and Marine Mammals  | Ch. 9.1–9.3 |
|  | 18 | Thurs. | \*\*\*\*\*\*\*\*\*\*\*\* EXAM II \*\*\*\*\*\*\*\*\*\*\*\*\* | \*\*\*\* |
|  | 23 | Tues. | Major Marine Lifestyles and Environments and The Flow of Energy and Materials | Ch. 10.1–10.3 |
|  | 25 | Thurs. | Visiting California – Rocky Shore Intertidal Communities | Ch. 11.1 |
|  | 30 | Tues. | Visiting Mississippi – Soft Bottom Intertidal Communities | Ch. 11.2 |
| Nov. | 1 | Thurs. | Physical Characteristics of Estuaries, Estuaries as Ecosystems, Types of Estuarine Communities and Visiting Maryland – Mudflats  | Ch. 12.1–12.3 |
|  | 6 | Tues. | Visiting Maryland – Salt Marshes and Visiting Belize – Mangrove Forests and Kinds of Coral Reefs | Chs. 12-3; 14.1–14.2 |
|  | 8 | Thurs. | Visiting Belize – The Ecology of Coral Reefs | Ch. 14.3  |
|  |  13 | Tues. | Living in the Epipelagic, Epipelagic Food Webs, and El Niño-Southern Oscillation | Ch. 15.1–15.3 |
|  |  15 | Thurs. | Adaptations of Midwater Animals and The World of Perpetual Darkness | Chs. 16.1–16.2 |
|  | 20 | Tues. | The Deep Ocean Floor and Hot Springs, Cold Seeps, and Dead Bodies | Ch. 16.3–16.4 |
|  | 22 | Fri. | **THANKSGIVING – NO CLASS** | \*\*\*\* |
|  | 27 | Tues. | Pollution, Threatened and Endangered Species, and Conserving and Enhancing the Marine Environment | Ch. 18.1–18.4 |
|  | 29 | Thurs.  | \*\*\*\*\*\*\*\*\*\*\*\* EXAM III \*\*\*\*\*\*\*\*\*\*\*\*\* | \*\*\*\* |
| Dec | 7 | Fri. | FINAL PROJECT DUE BY 5 pm!!! | \*\*\*\* |