**BIO101 GENERAL BIOLOGY Schedule**

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| 1. **WEEK** | Biological Molecules, Carbohydrates Lipids |
| 1. **WEEK** | Biomolecules, proteins, nucleic acids |
| 1. **WEEK** | Cell |
| 1. **WEEK** | Organelles |
| 1. **WEEK** | Carbon and the Molecular Diversity of Life |
| 1. **WEEK** | Bioenergetics I (redox reactions, chemiosmotic theory) |
| 1. **WEEK** | Bioenergetics II (respiration, fermentation) |
| 1. **WEEK** | Photosynthesis, Cell membrane structure and functions |
| 1. **WEEK** | Descent with Modification: A Darwinian View of Life; The Evolution of Populations |
| 1. **WEEK** | The Origin of Species; The History of Life on Earth |
| 1. **WEEK** | Phylogeny and the Tree of Life; Plant Diversity I: How Plants  Colonized Land, Plant Diversity II: The Evolution of Seed Plants |
| 1. **WEEK** | Geological times scale Animal phylogeny Invertebrates, General features of invertebrates |
| 1. **WEEK** | Classification and Nomenclature, Animal Diversity – Basic features of animals, evolution of animals, Embryonic development of animals Protists, Phylum Porifera, Cnidaria, Platyhelminthes, Turbelleria, Monogenea, Digenea, Cestoda Phylum Rotifera, Ectoprocta, Brachiopoda, Mollusca, Annelida Phylum Nematoda, Arthropoda, Echinodermata |
| 1. **WEEK** | Vertebrates, Phylum Chordata: General features of chordates Cephalochordates, Tunicates Myxini, Petromyzontida, Chondrichthyes Osteichthyes: Actinopterygii, Sarcopterygii, Dipnoi, Tetrapoda Amphibia, Reptilia, Aves, Mammalia |