

Course Syllabus for Principles of Biology 2 (SCBE113)

Credit: 3(3-0-6)

Time: Wednesdays 08:30-11.30 o'clock

Coordinator: Pahol Kosiyachinda

Lecturers: Pahol Kosiyachinda

Class materials: <https://classroom.google.com/c/NTgwOTM4MTUxNTA4?cjc=cu6qqhn>

Google class code: cu6qqhn

Place: SC1 Students: BE

SC1-156

Week	Date	Topic	Chapter
1	11 Jan	Introduction to Principles of Biology 2 (SCBE113)	18
2	18 Jan	Classification, Binomial nomenclature	19
3	25 Jan	Diversity of sub-cellular organism	20
4	1 Feb	Diversity of Prokaryotes (Archaea, Bacteria, Cyanobacteria)	20
5	8 Feb	Diversity of Protists (Algae, Protozoans, Slime Molds, Water Molds)	21
6	15 Feb	Diversity of Fungi (Zygomycetes, Ascomycetes, Basidiomycetes)	22
7	22 Feb	Diversity of Plants (Non-vascular and vascular plants)	23
8	1 Mar	Diversity of Animals (Invertebrates and Vertebrates)	28 & 29
9	7-10 Mar	Midterm Examination	
10	15 Mar	Introduction to Animal Physiology	31
11	22 Mar	1. Circulatory system 2. Lymphatic system & Immune system	32 & 33
12	29 Mar	3. Digestive system, Respiratory system, and Excretory system	34 - 36
13	5 Apr	4. Nervous system and sensory system	37 & 38
14	12 Apr	5. Muscular system and bones	39
15	19 Apr	6. Endocrine system and hormones	40
16	26 Apr	7. Reproductive system and development	41-42
17	1-12 May	Final Examination	

Score allocation: Midterm (Weeks 1-8 = 35%) + Final (Weeks 10-16 = 35%)

Class participation and in-class activities: 25% for formative score.

Attendance: Students must attend at least 80% of the class to receive 5%.

Required textbook: Mader S. and Windelspect M. (2022) *Biology*. 14th Ed. McGraw Hill Education, New York, USA.