

Course Syllabus for Principles of Biology 2 (SCBE113)

Credit: 3(3-0-6)

Time: Tuesdays 12:00-15:00 o'clock

Coordinator: Pahol Kosiyachinda

Lecturers: Pahol Kosiyachinda

Class materials: <https://classroom.google.com/c/ODM1ODY0MDc0MDc2?cjc=ss6fksf7>

Google class code: ss6fksf7

Place: SC1-153 Students: BE

Week	Date	Topic	Chapter
1	13 Jan	Introduction to Principles of Biology 2 (SCBE113)	18
2	20 Jan	Classification, Binomial nomenclature	19
3	21 Jan	Diversity of sub-cellular organism (Makeup: 13:00-16:00)	20
4	27 Jan	Diversity of Prokaryotes (Archaea, Bacteria, Cyanobacteria)	20
5	3 Feb	Diversity of Protists (Algae, Protozoans, Slime Molds, Water Molds)	21
6	10 Feb	Diversity of Fungi (Zygomycetes, Ascomycetes, Basidiomycetes)	22
7	17 Feb	Diversity of Plants (Non-vascular and vascular plants)	23
8	24 Feb	Diversity of Animals (Invertebrates and Vertebrates)	28 & 29
9	3 Mar	Midterm Examination Week	
10	10 Mar	Introduction to Animal Physiology	31
11	17 Mar	1. Circulatory system 2. Lymphatic system & Immune system	32 & 33
12	24 Mar	3. Digestive system, Respiratory system, and Excretory system	34 - 36
13	25 Mar	4. Nervous system and sensory system (Makeup: 13:00-16:00)	37 & 38
14	31 Mar	5. Muscular system and bones	39
15	21 Apr	6. Endocrine system and hormones	40
16	22 Apr	7. Reproductive system and development (Makeup: 13:00-16:00)	41-42
17	28 Apr	Final Examination Week	

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.