

Course Syllabus

Essential Biology (SCBE 121)

Academic year 2026; Monday 9.30 – 12.30 am RM. SC1-102

Google classroom code: qvzqx4gt

Week	Date	Lecture	Instructor
1	3 August	Course orientation / Self Study: Biomolecules	PO
2	10 August	Origin of Life / Macroevolution	PO
3	17 August	Prokaryotic Cell Structures	AD
4	24 August	Eukaryotic	AD
5	31 August	Eukaryotes (II)	AD
6	7 September	Enzymes & Metabolism	PO
7	14 September	Bioenergetics (I)	PO
8	21 September	Bioenergetics (II)	PO
Midterm Examination			
10	5 October	Pattern of inheritance	AD
11	12 October	Molecular Genetics & Gene Editing	AD
12	19 October	Cell Signaling	PO
13	26 October	Cell Cycle	PO
14	2 November	Cancer	PO
15	9 November	Evolution & Medicine	PO
16	16 November	Molecular Medicine	AD
17	23 November	Bioethics	PO/AD
18	30 November	QA & Class Reflection	PO/AD
Final examination			

Course coordinators & Instructors:

Asst. Prof. Puey Ounjai, Ph.D. (PO)

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Asst. Prof. Alisa Damnernsawad, Ph.D.

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Course evaluation (SCBE121):	1. Class work & Quiz	25 %
	2. Midterm examination	35 %
	2. Final examination	40 %

Students must receive a score of 50% or more to pass the course

Appeal Procedure: Should the students have any appeal regarding the assessments or grade, inquiry can be made to the instructors and/or the course coordinator immediately either by direct contact, telephone or email.