

**CONSTRUCTIVE ALIGNMENT ASSESSMENT AND COURSE LEARNING OUTCOMES**  
**SEMESTER 1, 2023/ 2024**

**COURSE CODE: SBC3013**  
**COURSE NAME: CELL BIOLOGY**

No	Learning Outcome	Malaysia Qualification Framework (MQF) Learning Domain	Learning activity / Teaching strategy	Perincian Tugas dan Hubungan dengan Atribut Domain MQF					Student learning time
				Masa Pembelajaran Pelajar (SLT)					
				Final Exam	Test	Practical report	Reflective writing	Assignment and its relation to MQF learning domain	
1.	CLO1: Explain the principles of structure and function in organisms and identify the connections between them at all levels (C2) (PLO1).	KW	Lecture, Discussion		30% (Online)			Examination on principles of function and structure, as well as their interrelationship. MQF domain: Knowledge and Understanding.	36 hour
2.	CLO2: Compare the main processes in eukaryotic and prokaryotic cells. (C4). (PLO6).	KW	Lecture, Discussion	30%				Final examination: Comparison between the main processes of prokaryotic and eukaryotic cells. MQF domain: Knowledge and Understanding.	36 hour
3.	CLO3: Appreciate the role of scientific methods in gathering and exploring biological knowledge. (A3). (PLO5).	VA	E-learning				10 %	Conducting a group mini project, followed by a group report and individual reflective writing on the contributions of knowledge gained. MQF domain: Application of Knowledge.	11 hour
4.	CLO4: Collaborate in teams to apply scientific processes, including conducting experiments. (P3). (PLO3).	PC	Report writing			30%		Preparation of group practical activity reports. A teamwork assessment rubric will be used to measure collaboration among members during the execution of the practical activities and projects. MQF domain: Practical and Clinical Skills.	37 hour
TOTAL				30%	30%	30%	10 %		120 hour

Disediakan oleh :

Nama : Dr. Jameel Rabee Jameel Al-Obaidi  
 Jawatan : Lecturer

Disahkan oleh :

Nama :  
 Jawatan :

**NOTA: DOMAIN KERANGKA KELAYAKAN MALAYSIA (MQF)**

KW – Knowledge

PC – Practical Skills

SR – Social Skills and Responsibilities

VA – Values, attitudes and professionalism

CT – Communication, leadership and team skills

PS – Problem solving and scientific skills

IL – Information management and lifelong learning skills

ME – Managerial and entrepreneurial skills