



Course Descriptors  
2020 - 2021  
Semester 1

Biology  
Mathayom 6



## EIP Mathayom Course Description Third Year

Subject: Core Biology  
Grade: Mathayom 6  
Periods: 4

Department: Science  
Course Code: SC33245  
Credit: 2

### Course Material:

Modern Biology, *Holt, Rinehart and Winston*

### Course Description:

Since the outbreak of the COVID-19 pandemic, it has affected communities all over the world. The semester will start on educating the students on COVID-19, as it has impacted the livelihoods of the students directly. The scope of this unit will not only limit the students on the effects of COVID-19, but also on epidemiology, medicines, diagnosis treatments, and governmental approaches.

The third year of the Core Biology Course will fill in any gaps and create a whole understanding of Life Sciences. This course will explain the relationships between everything that was studied during the first two years of Core Biology.

This biology course is an elective optional course for students wishing to pursue science-based careers after graduation. Sections of the previous years will also be covered in significantly more detail than previously. This course will prepare students for lecture-style university courses and gain a more in-depth knowledge of Biology. Biology topics will range from the cellular-molecular level in animals to genetics, anatomy, and physiology, among others.

### Course Objectives:

1. Define coronavirus disease 19 (COVID-19); flatten the curve and raise the line, diagnosis and monitoring of COVID-19, and how to beat the pandemic.
2. Describe the organization of animal tissues and organ systems



EIP Mathayom Course Outline  
First Semester

**Unit I0 – Anatomy and Physiology**

*Unit 1: COVID-19*

- Introduction COVID-19
- PCR and RT-PCR
- Imaging features of COVID-19
- Beating COVID-19

*Unit 2: Digestive and Excretory Systems*

- 48.1 Nutrients p 979
- 48.2 Digestive System p 985
- 48.3 Urinary System p 993

*Unit 3: Reproductive System*

- 51.1 Male Reproductive System p 1049
- 51.2 Female Reproductive System p 1052
- 51.3 Gestation p 1056



EIP Mathayom Evaluation and Grading  
First Semester

**Breakdown of Grades**

| Criteria          | 1 <sup>st</sup> quarter | 2 <sup>nd</sup> quarter | Total |
|-------------------|-------------------------|-------------------------|-------|
| Homework          | 5%                      | 5%                      | 10%   |
| Participation     | 5%                      | 5%                      | 10%   |
| Behavior          | 5%                      | 5%                      | 10%   |
| Labs/Group Work   | 5%                      | 5%                      | 10%   |
| Tests/Quizzes     | 20%                     | 20%                     | 40%   |
| Final Examination |                         | 20%                     | 20%   |
| Total             | 40%                     | 60%                     | 100%  |