

**Wonderful Life [SCSL 190, 3(3-0-6)]**

**Academic Year 2026, First Semester**

**For EGBI (International Program)**

Thursday 9:30 am – 12:30 pm (SC3-303)

Google Class code: iw2ifn55

Class Link: <https://classroom.google.com/c/Nzk4Mzk2MTI3MDI1?cjc=iw2ifn55>

| Week | Date              | Topic                         | Instructor |
|------|-------------------|-------------------------------|------------|
| 1    | 6 Aug             | Introduction                  | Pagkapol   |
| 2    | 13 Aug            | Biomolecules                  | Pagkapol   |
| 3    | 20 Aug            | Cells and Organelles          | Pagkapol   |
| 4    | 27 Aug            | Cell Communication            | Pagkapol   |
| 5    | 3 Sep             | Cell Division and Cancer      | Pagkapol   |
| 6    | 10 Sep            | Cells and Tissues             | Theeraporn |
| 7    | 17 Sep            | Energy, Enzyme and Metabolism | Theeraporn |
| 8    | 24 Sep            | Bioenergetics                 | Theeraporn |
| 9    | 28 Sep<br>- 2 Oct | Midterm Examination           | Staff      |
| 10   | 8 Oct             | Pattern of Inheritance        | Theeraporn |
| 11   | 15 Oct            | Concept of Evolution          | Patompong  |
| 12   | 22 Oct            | Ecology                       | Patompong  |
| 13   | 29 Oct            | Environmental Biology         | Patompong  |
| 14   | 5 Nov             | Diversity of Life             | Pagkapol   |
| 15   | 12 Nov            | Molecular Genetics            | Pagkapol   |
| 16   | 19 Nov            | Genetic Applications          | Pagkapol   |
| 17   | 26 Nov            | Bioethics                     | Pagkapol   |
| 18   | 2-13 Dec          | Final Examination             | Staff      |

**Course Evaluation:**

|                     |     |                                          |
|---------------------|-----|------------------------------------------|
| In-class activities | 25% | (15 x 1.5 + 2.5 bonus = 25%)             |
| Midterm             | 35% | (Each lecture has 5%; Weeks 2-8 = 35%)   |
| Final               | 35% | (Each lecture has 5%; Weeks 10-17 = 40%) |

**Course coordinator:**

Dr. Pagkapol Pongsawakul ([pagkapol.pon@mahidol.edu](mailto:pagkapol.pon@mahidol.edu)) Room B-411 Phayathai; Tel. 02-5015488

**Instructors:**

Dr. Pagkapol Pongsawakul (pagkapol.pon@mahidol.edu)

Assoc. Prof. Dr. Theeraporn Puntheeranurak (theeraporn.pun@mahidol.edu)

Assoc. Prof. Patompong Johns Saengwilai, Ph.D. (patompong.sae@mahidol.edu)

**Reading and Class Materials**

Materials of each lecture is posted in the class Google Classroom. Please periodically check the Google Classroom and your Mahidol.edu email for announcements and notifications.

**Grading**

| Score    | Grade | Equivalent (only special cases)            |
|----------|-------|--------------------------------------------|
| 80 - 100 | O     | 90 - 100 (A)<br>80 - 89 (B+)               |
| 50 - 79  | S     | 70 - 79 (B)<br>60 - 69 (C+)<br>50 - 59 (C) |
| 0 - 49   | U     | 0 - 49 (F)                                 |